

# Fayetteville State University

## 2020-2021 Undergraduate Catalog



Fayetteville State University  
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*Fayetteville State University is committed to equality of educational opportunity and employment and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, sex, gender identity, sexual orientation, age, disability, genetic information, or veteran status. Moreover, Fayetteville State University values diversity and actively seeks to recruit talented students, faculty, and staff from diverse backgrounds. Any individual with a concern, grievance, or complaint of discrimination or retaliation should utilize the university's policies or the applicable employment related grievance procedures for faculty and EPA non-faculty employees.*

*Fayetteville State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, masters, and doctorate level degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Fayetteville State University.*

*Fayetteville State University, in keeping abreast of ever-changing times, reserves the right to change, delete, or add to any part of this publication as it deems necessary for the good of the university. Every attempt will be made to keep changes to a minimum and to communicate changes to all students.*

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# General Information

## Mission Statement

Fayetteville State University (FSU), a public comprehensive, historically black university, offers robust and innovative degree programs rooted in the liberal arts tradition. The university advances knowledge through the integration of teaching, learning, research, and public service. FSU strives to meet the educational, career, and personal aspirations of its students from rural, military, and other diverse backgrounds so that they are equipped with academic and practical knowledge to serve local, state, national, and global communities as enlightened citizens, globally astute leaders, and engaged solution creators.

We accomplish our mission through:

- A rigorous academic environment.
- A student-centered education.
- Dedicated and scholarly faculty.
- Specialized offerings and services to meet the needs of traditional, online, non-traditional, and military affiliated students.
- Faculty and student engagement and partnerships with industry, employers, and the community.

## Vision Statement

Fayetteville State University, the second oldest public university in North Carolina and a constituent institution of the University of North Carolina System, will be the regional university of choice for students from rural, military, and other diverse backgrounds who are poised to become visionary leaders who transform communities, states and nations.

## Core Values

**Integrity:** Commitment to transparency.

**Flexible and Adaptable:** Producing career and life ready global citizens.

**Shared Governance:** Engaging all members of the university community in decision making.

**Diversity, Equity, and Inclusion:** Working collaboratively and effectively in a global society.

**Collaboration and Partnerships:** Strengthening relationships among alumni, community, and other stakeholders.

**Innovative:** Creatively pursuing excellence in organizational endeavors.

**Culturally Connected:** Preserving the university's HBCU legacy and pride.

## Administration

### Board of Trustees

Trustee	Term Expires	Trustee	Term Expires
Mr. Glenn Adams	2023**	Ms. Sydney Harris (Ex Officio)	2021
Dr. Richard Clayton Adams (Vice Chair)	2021**	Dr. Warren McDonald	2023***
Ms. Val Applewhite	2023**	Mr. John McFadyen	2023**
Mr. Stuart Augustine (Acting Chair)	2021**	Mrs. Sherida McMullan	2021***
Mr. Jonathan Charleston	2023**	Dr. Brandon Phillips	2021**
Mr. John Douglas English	2023***	Ms. Brenda Timberlake (Secretary)	2021**
		Mr. William R. Warner	2021***
**UNC Board of Governors' Appointee		*** Legislative Appointee	

### Administrative Officers

Name	Degrees	Title
Peggy Valentine	B.S., M.A., Ed.D.	Interim Chancellor
Wendell Phillips	B.A.	Interim Vice Chancellor and Chief of Staff
J. Lee Brown	B.S., M.B.A., Ph.D.	Interim Provost and Senior Vice Chancellor for Academic Affairs
Janice Haynie	B.A., M.S., Ph.D.	Vice Chancellor for Student Affairs
Carlton Spellman	B.B.A., M.B.A.	Vice Chancellor for Business and Finance
Arasu Ganesan	B.A., M.B.A.	Vice Chancellor for Information Technology
Wanda D. Lessane Jenkins	B.B.A., M.B.A., J.D.	University Legal Counsel

Afua O. Arhin	B.S.N., M.S.N., Ph.D.	Interim Dean, College of Health, Science, and Technology
Samuel Adu-Mireku	B.S., M.S., Ph.D	Dean, College of Humanities and Social Sciences
Ulysses Taylor	B.S., M.B.A., J.D.	Interim Dean, Broadwell College of Business and Economics
Gerald Mitchell, Jr.	B.S., M.S., Ed.D.	Interim Dean, University College
Marion Gillis-Olion	B.A., M.A., Ph.D	Dean, College of Education

## History

In 1867, seven black men - Matthew N. Leary, Jr., A. J. Chesnutt, Robert Simmons, George Grainger, Jr., Thomas Lomax, Nelson Carter, and David A. Bryant - paid \$136 for two lots on Gillespie Street and converted themselves into a self-perpetuating Board of Trustees to maintain this property permanently as a site for the education of black children in Fayetteville. General Oliver O. Howard of the Freedman's Bureau, erected a building on this site, and the institution became known as the Howard School. Robert Harris was selected as the principal.

By a legislative act of 1877, the North Carolina General Assembly provided for the establishment of a Normal School for the education of black teachers. The Howard School was chosen as the most promising because of its successful record during the previous ten years under the leadership of Robert Harris. Its name was changed to the State Colored Normal School and Harris remained as principal until his death in 1880.

Charles W. Chesnutt was principal from 1880 to 1883. He emphasized foreign languages, social graces, and intellectual development as keys to success. He resigned to pursue a literary career and indeed became one of the leading black American writers of fiction between 1887 and 1930.

Ezekiel E. Smith became the third principal in 1883 and would serve three different terms in this leadership position. His first term as principal lasted from 1883-1888. He expanded the curriculum to better prepare teachers for the public grammar schools. In 1888 George Williams became the principal and introduced a Speaker's Series. Smith returned in 1895 after serving as an ambassador in Liberia. In 1898, he left to serve in the Spanish American War. Reverend Leonard E. Fairley served as acting principal until Smith returned in 1899.

Between 1899 and 1933, Dr. E.E. Smith's vision for excellence in teaching would lay the framework for the Normal School to become a college. By the time he retired in 1933, the school had grown from three rooms in a small frame structure to a physical plant of ten buildings on a fifty-acre tract of land. Black and white citizens contributed funds along with Dr. Smith, F. D. Williston, E. N. Williams, J. G. Smith and Dr. P. N. Melchor, to purchase the initial forty acres of land. With the erection of the Aycock Building by the state in 1908, the school began its permanent residency on Murchison Road. Smith's title was changed from principal to president in 1927. The Newbold School, a practice school for teachers, was erected on the campus in 1930. Dr. E.E. Smith's ideas about teacher training set the pace for teacher education throughout the state. His years of service covered a span of fifty years-1883 to 1933.

Dr. James Ward Seabrook became the president in 1933. Under his presidency the school became Fayetteville State Teachers College, thereafter being authorized to grant the Bachelor of Science Degree in Elementary Education. Cultural activities, student organizations, and significant physical expansion contributed to the complete transformation from a normal school to a college. The college received both state and regional accreditation in 1947.

Dr. Rudolph Jones succeeded Dr. Seabrook in 1956. During his administration, the curriculum was expanded to include majors in secondary education and programs leading to degrees outside the teaching field. The name of the school was changed to Fayetteville State College in 1963. FSC students were active participants in the Civil Rights Movement of the sixties and helped to bring about integration in Fayetteville. Also, under the leadership of Dr. Jones, six additions were made to the physical plant to accommodate a rapidly expanding enrollment.

Dr. Charles A. Lyons, Jr. was appointed president in 1969 and the institution acquired its present name. By a legislative act in 1972, Fayetteville State University became a constituent institution of the University of North Carolina System, and Dr. Lyons became its first Chancellor. During his tenure, the curriculum was expanded to include a variety of both baccalaureate and master's level programs. The Fort Bragg-Pope AFB Extension Center, in conjunction with the Weekend and Evening College, was established in order to provide military personnel and other full-time working people with the opportunity to further their education. The general academic structure took its present configuration in 1985 when the university became a Comprehensive Level I Institution. In addition to expanding program offerings and services, eight buildings were added to the physical plant during this period.

On January 1, 1988, Dr. Lloyd V. Hackley became the eighth Chief Executive Officer of the university. In his seven years as Chancellor, the university expanded its master's level program offerings to include biology, business administration, education, English, history, mathematics, psychology, and sociology, and FSU's first doctoral program in Educational Leadership was established. Baccalaureate program offerings were also increased to include 36 disciplines in the arts and sciences, business and economics, and education. Hackley strengthened FSU's community outreach to at-risk children in the public schools and established numerous scholarship and tutoring/mentoring programs to encourage more young people to aspire to academic excellence and a college education. FSU's first major public Capital Campaign was also completed, which enabled the university to increase the number of privately funded scholarships. The student population doubled in numbers and in diversity during his administration. The addition of the ultra-modern School of Business and Economics Building and the Health and Physical Education Building underscored Dr. Hackley's commitment to FSU's continued expansion and growth. On December 31, 1994, Dr. Hackley left his post to become President of the North Carolina Department of Community Colleges, the first African-American to lead the state's system of 59 community colleges.

Dr. Donna J. Benson, Associate Vice President for Academic Affairs of the University of North Carolina served as Interim Chancellor from January 1, 1995 to November 15, 1995. Capital improvements included renovation of dormitories and completion of the Distance Learning Center in the Communications Building. In 1995 Dr. Willis B. McLeod, a 1964 graduate of Fayetteville State University, became the ninth Chief Executive Officer of FSU and the first alumnus to serve as Chancellor. Among the initiatives he instituted were the "Freshman Year Initiative" (or F.Y.I.), a program designed to enhance students' educational outcomes; new outreach efforts aimed at forging stronger community ties; and formed a regional partnership of public school, community college, and university leaders which focused on strengthening the educational pipeline from pre-school to post-graduate studies. Renovation and improvement of campus facilities were achieved, including all air-conditioned buildings. A strong cultural and fine arts series and fourteen CIAA championships bolstered Bronco Pride.

Dr. T. J. Bryan assumed the position of Chancellor on July 1, 2003. As the tenth chief executive officer of the university, Dr. Bryan was the first African-American woman selected to lead a constituent institution of the University of North Carolina. Dr. Bryan developed new academic programs, obtained specialized accreditation for several programs, strengthened student recruitment and support programs, and improved buildings and grounds. Under her leadership, a four-year nursing program and an Honors Program were established.

In 2007, Dr. Lloyd V. Hackley returned as Interim Chancellor. He launched projects to carry out the initiatives of UNC Tomorrow, placed FSU on a sound course for fiscal solvency, and introduced a number of organizational changes for greater efficiency of operations.

Dr. James A. Anderson was named the eleventh Chief Executive Officer of Fayetteville State University on March 7, 2008. Under Chancellor Anderson's leadership, the university established a five year strategic plan for growth, expanded academic program offerings, added global education and study abroad, and increased certification and accreditation of academic programs. The university expanded partnerships with universities, corporations, and the military. Outreach included service learning, a community computer center, a Veteran Center, the Early High School College, the Center for Defense and Homeland Security, and many collaborative cultural activities with community agencies.

Dr. Peggy Valentine has served as Interim Chancellor of Fayetteville State University since August 7, 2019. She is committed to preparing students from rural, military, and diverse backgrounds for high demand careers of the 21st century and beyond. In line with the university's vision, she hopes to address health disparities, social justice, and improve the overall quality of life in disenfranchised communities. Additionally, Dr. Valentine's dedication to FSU as a university of choice is augmented by its highly committed and scholarly faculty and staff, and cutting-edge academic programs.

## **Administration of the University of North Carolina**

### **The Board of Governors**

Randy Ramsey, Chairman  
Wendy Floyd Murphy, Vice Chairman  
Pearl Burris-Floyd, Secretary

Darrell Allison (2019-2023)

Anna Spangler Nelson (2019-2023)

W. Louis Bissette, Jr., Emeritus (2019-2023)

R. Doyle Parrish (2017-2021)

Kellie Hunt Blue (2017-2021)

David Powers (2019-2023)

C. Philip Byers (2019-2023)

Robert Rucho (2017-2021)

Carolyn Coward (2017-2021)

Temple Sloan (2019-2023)

N. Leo Daughtry (2017-2021)

Dwight D. Stone (2017-2021)

Thomas C. Goolsby (2019-2023)

Michael Williford (2015-2019)

Isaiah Green (ex officio)

Reginald Ronald Holley (2017-2021)

James L. Holmes, Jr. (2019-2023)

Mark Holton (2019-2023)

Terry Hutchens (2019-2023)

W. Marty Kotis, III (2017-2021)

Steven B. Long (2017-2021)

J. Alex Mitchell (2019-2023)

## **History of the University of North Carolina**

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of the University of North Carolina. Fayetteville State University is one of the 16 constituent institutions of the multi-campus state university.

The University of North Carolina, chartered by the N.C. General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of the University of North Carolina was at Chapel Hill.

In 1877, the N.C. General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the N.C. General Assembly redefined the University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus University operated with one board of trustees and one president. By 1969, three additional campuses had joined the University through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the General Assembly passed legislation bringing into the University of North Carolina the state's ten remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created the current 16-campus University. (In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the University; and in 1996 Pembroke State University was renamed The University of North Carolina at Pembroke through legislative action.)

The UNC Board of Governors is the policy-making body legally charged with the general determination, control, supervision, management, and governance of all affairs of the constituent institutions. It elects the



president, who administers the University. The 32 voting members of the Board of Governors are elected by the General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the 16 constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex-officio. (The NC School of the Arts has two additional ex-officio members.) Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

## **Institutional Memberships and Accreditations**

The university holds institutional membership in the following agencies and professional organizations:

The Adult Education Association, U.S.A.

American Association for Counseling and Development

The American Association for Colleges and Universities (AAC&U)

Association to Advance Collegiate Schools of Business (AACSB)

The American Association of Colleges and Schools for Teacher Education (AACTE)

The American Association of State Colleges and Universities (AASCU)

American Chemical Society (ACS)

The American Council on Education (ACE)

Association for Continuing and Higher Education (ACHE)

The Central Intercollegiate Athletic Association (CIAA)

Council for Advancement and Support of Education (CASE)

Council of Graduate Departments of Psychology

Forensic Science Education Program Accreditation Commission (FEPAC)

International Police Executive Symposium

The National Alliance of Business

National Association for Equal Opportunity in Higher Education (NAFEO)

National Association for Student Financial Aid Administrators (NASFAA)

The National Association of Business Teacher Education

The National Collegiate Athletic Association (NCAA)

The North Carolina Association of Colleges and Universities

North Carolina Day Care Association

The Servicemen's Opportunity College (SOC)

The Southern Conference of Graduate Schools (SCGS)

The university has achieved program accreditation, certification, and/or program approval from the following professional organizations:

Accreditation Board for Engineering and Technology (ABET)

Academy of Criminal Justice Sciences (ACJS)

American Chemical Society (ACS)

Association to Advance Collegiate Schools of Business (AACSB)

Commission on Collegiate Nursing Education (CCNE)

Council on Social Work Education (CSWE)

Forensic Science Education Program Accreditation Commission (FEPAC)

International Fire Science Accreditation Council (IFSAC)

National Association for Schools of Art and Design (NASAD)

The National Council for Accreditation of Teacher Education (NCATE)

North Carolina Board of Nursing (NCBN)

The North Carolina Department of Public Instruction (DPI)

National Association of Schools of Music (NASM)

The Southern Association of Colleges and Commission on Colleges (SACSCOC)

United States Geospatial Foundation (USGIF)

## **Centers and Programs**

### **Center for Defense and Homeland Security**

The Center for Defense and Homeland Security was founded in 2010 and became fully operational in 2013. We are located within 10 miles of Ft. Bragg, the largest U.S. Army installation in the world and home of the elite Military Special Operations Forces. We partner with local, state, and federal agencies to leverage our research capabilities to develop innovative solutions to prepare the next generation of leaders within the STEM, cybersecurity, national security, and emergency management disciplines.

## **Center for Economic Education and Financial Literacy**

The Center for Economic Education and Financial Literacy is a non-profit and non-partisan institutional entity committed to promoting and imparting economic education primarily in southeastern North Carolina. The center is affiliated with The North Carolina Council of Economic Education and the National Council of Economic Education.

The objectives of the center are fivefold:

- To improve on- and off campus teaching of economics, with particular emphasis on pre-service and in-service teacher training;
- To consult with local schools, educational agencies, and community groups on matters relating to curriculum content, materials, and strategies;
- To conduct research in economic education and disseminate updated information on economic issues in the community;
- To mobilize community interest and support by developing cooperative working relationships with other groups committed to economic education;
- To develop and distribute appropriate materials useful in the economic education effort.

For further information call 910-672-1370 and/ or visit <https://www.uncfsu.edu/academics/colleges-schools-and-departments/college-of-business-and-economics/outreach-centers/center-for-economic-education>.

## **College Access Programs**

The Office of College Access Programs mission is to encourage and assist youth who are traditionally under-represented in post-secondary education with preparation for, entry into, and completion of a post-secondary education. The office provides a broad range of high-quality college preparatory services to students, parents, and educators in Cumberland, Hoke, and Robeson counties. These include the 21st Century Community Learning Centers, an afterschool program that assists middle and high school students in core subjects (math, reading, science, social studies) by providing expanded learning opportunities to increase school success; Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), a program designed to increase the number of low-income students who are prepared to enter and succeed in postsecondary education beginning in middle school through the freshman year in college; TRiO Talent Search, a program that identifies and assists middle and high school students from disadvantaged backgrounds who have the potential to succeed in higher education; TRiO Upward Bound, a program that provides high school students with academic support services and activities that will enhance their academic skills, thereby ensuring that they will complete high school and enroll in and complete a program of post-secondary education; and TRiO Upward Bound Math & Science, which helps high school students recognize and develop their potential to excel in fields in math and science and to encourage them to pursue postsecondary degrees in science, technology, engineering and math.

## **Continuing Education and Summer School**

The Office of Continuing Education and Summer School extends the teaching, consultative, and research resources of Fayetteville State University into the local community. These resources, in concert with all other appropriate resources, are molded into an organized effort to meet the unique educational needs of individuals within the adult population who have either completed or interrupted their formal education, and to assist people in the area to identify and develop new, expanded, or improved approaches to the solution of community problems.

All extended learning activities at Fayetteville State University are categorized as Continuing Education Units (CEU)/Teacher Renewal Credit (TRC), academic credit, or non-credit. Such activities are designed to serve individuals needing further professional/career development; various forms of public affairs education; personal enrichment and cultural development; and skills training to meet the needs of professions or careers. Most non-credit continuing education activities are related to community service and include special programs affecting community-wide problems.

Consistent with the educational standards of the Southern Association of Colleges and Schools and the University of North Carolina, all continuing education activities sponsored or co-sponsored by Fayetteville State University are organized under responsible and capable direction and are subject to systematic evaluation. For further information call (910) 672-1226.

The summer school program at Fayetteville State University is organized primarily for students desiring to make progress toward fulfilling requirements for undergraduate and graduate degrees. The curricula provided during the summer sessions are equivalent to those offered during fall and spring terms. Course offerings, both online and face-to-face, are determined by departments and schedules published during the fall semester.

Faculty-led study abroad opportunities are also part of the program and are announced in August on the summer school website at [www.uncfsu.edu/summerschool](http://www.uncfsu.edu/summerschool). Students wishing to participate must meet posted eligibility requirements, apply through the lead faculty for the trip, and pay a deposit in October to secure their place.

## **Curriculum Learning Resource Laboratory**

Located in the Charles Waddell Chesnut Library, the Curriculum Learning Resource Laboratory is designed to provide educational resources and equipment for pre-service and in service teachers, and faculty. The collections include state adopted textbooks, kits, films, transparencies, North Carolina state competencies, and audio-visual aids. For further information call 910-672-1391.

## **Distance Learning Center**

The mission of the Distance Learning Center is to provide opportunities to faculty, staff, students, and external agencies in Southeastern North Carolina to participate in interactive classes and teleconferences via the North Carolina Information Highway (NCIH) and North Carolina Research Educational Network (NC-REN). Located in the Telecommunications Center, the Distance Learning Center offers convenient and cost-effective interactive access to a broad range of quality educational programming. Through the Center the university can acquire complete telecourses, short courses, audio-visual resources, training programs, and live teleconferences. These programs can be used in a variety of ways to increase distance learning opportunities, enrich classroom instruction, update faculty and administrators, expand community service, and enhance professional and career education. For further information call 910-672-1888.

## **Early Childhood Learning Center**

The Fayetteville State University Early Childhood Learning Center, which serves children from three years through five years of age, is under the direction of the School of Education. It was established in the Fall of 1970 to provide early childhood education majors an opportunity to become familiar with young children and their characteristics, and to enable the translation of theoretical concepts into practical application. In addition to being a center for the training of early childhood personnel, the Early Childhood Learning Center also provides

a learning environment that will help young children develop to their maximum potential physically, intellectually, socially, and emotionally.

The Early Childhood Learning Center serves not only the university, but the Fayetteville community as well, through its acceptance of children of either sex, children from any ethnic or religious orientation, and children with mildly handicapping physical and mental conditions.

The Cumberland County Department of Social Service Day Care unit refers as many of its Day Care applicants as space permits. The Developmental Evaluation Center refers children to the Center on an individual basis. The Early Childhood Learning Center holds the State of North Carolina, Department of Revenue Privilege License; State of North Carolina - Child Day Care "A" License; Level Two Certificate of Approval (Federal) from the Department of Human Resources - State of North Carolina Division of Social Service for Day Care of Children; and the North Carolina Department of Public Instruction Kindergarten/Early Childhood Division Certification. For further information call 910-672-1281.

## **Educational Opportunity Centers Program**

The Educational Opportunity Centers Program (EOC) is funded by the U.S. Department of Education for the purpose of providing assistance to adults who want to pursue a college degree. The services are offered to adults residing in Cumberland, Harnett, Hoke, Robeson and Sampson Counties in North Carolina. EOC helps students choose a college, complete admissions applications, complete financial aid applications, choose a career, complete scholarship searches, and resolve loan defaults.

## **Educational Talent Search Program**

Fayetteville State University's Educational Talent Search Program is funded by the U.S. Department of Education for the purpose of providing academic support services to middle and high school students who meet the federal eligibility criteria. The program is designed to serve fourteen targeted middle and high schools in Cumberland, Harnett, and Hoke counties in North Carolina. The goal of the program is to provide eligible students with academic support services and activities that will enhance their academic skills. These services will ensure that the participants complete high school and also enroll in and complete programs of postsecondary education.

Enrolled participants receive a variety of academic, educational and career support services, such as Tutoring in English, Reading, Math, Science and other subject areas; personal, academic, educational, social and career counseling; supplementary academic skills workshops; guidance on secondary school reentry and entry to programs of postsecondary education; exposure to careers in which disadvantaged individuals are particularly underrepresented; visits to college campuses and exposure to cultural events and other educational activities; assistance in preparing for college entrance examinations; assistance in completing college admissions and financial aid applications; orientation workshops for the parents of the program's participants; drug awareness and teenage pregnancy prevention programs; mentoring programs involving the university's faculty, staff, and students.

Prospective students who are interested in the Educational Talent Search Program are encouraged to visit the Special Programs Office in the Helen T. Chick Building, Room 108, or call 910-672-1172.

## **Fine Arts Resource Center**

Housed in room 145 of the Rosenthal Building, the Fine Arts Resource Center (FARC) is a library and computer laboratory for music and the visual arts. The library section consists of records, tapes, musical scores, videos, filmstrips, and books (on music and art). It also includes equipment for viewing or listening to certain library materials, all of which are available on a check in/out basis. The computers in the FARC supplement classroom instruction by offering music history, theory and composition programs, as well as art-authoring and art history software for students in the visual arts. For further information call 910-672-1439.

## **Fort Bragg Center**

Fayetteville State University offers a program of higher education to serve the nearby military installations. The proximity of the Fort Bragg Center, and the flexibility of the university programs, offer maximum opportunities for interested and qualified personnel to pursue their education while in service, either as part-time or full-time students. Additional information may be obtained by writing to the Director of the Fort Bragg Center, Box 70156, Fort Bragg, North Carolina 28307-5000 or call 910-497-9111.

## **GEAR UP**

Fayetteville State University's GEAR UP (Gaining Early Awareness & Readiness for Undergraduate Programs) Program is funded by the U.S. Department of Education for the purpose of providing academic support services to middle and high school students. The program serves students who attend Luther "Nick" Jeralds Middle School and E.E. Smith High School. The program uses a cohort approach, by enrolling into the program each successive year all incoming 6th grade students at Luther "Nick" Jeralds Middle. The program continues to serve all of the students in each cohort as they progress toward high school graduation. The goal of the program is to provide eligible students with academic support services and activities that will enhance their academic skills, thereby ensuring that these students will complete high school and enroll in and complete programs of post-secondary education.

GEAR UP services to students include: in-school and after-school tutoring, enrichment camps, academic support workshops, summer camps, after-school college clubs, job-shadowing, mentoring, academic advising, career and cultural field trips, and tours of colleges throughout the United States. Services to parents include: college planning and financial aid workshops, and personal advisement on how to prepare their child for college. School personnel services include: professional development opportunities for teachers and administrators to help raise expectations for teachers and students. For further information, call 910-672-1172.

## **Honors and Undergraduate Research Program**

The Honors and Undergraduate Research Program promotes inclusive excellence, recognizing and rewarding outstanding academic and scholarly achievement throughout the curriculum. The program creates incentives for all students to achieve at a level that leads to graduation with distinction in a timely manner. The Honors and Undergraduate Research Program also provides opportunities for high-achieving students to enhance their educational experience through research or creative activity, experiential learning, and co-curricular engagement. The program prepares students to become civic leaders and to achieve personal well-being.

## **International Education**

The Office of Honors and International Education provides educational opportunities to students who are interested in studying abroad. It assists international students who choose to study at Fayetteville State University. It also supports programs to promote global literacy throughout the curriculum.

## **Office for Adult Learners**

The Office for Adult Learners serves as an advocate for all students who are over 23 years of age at Fayetteville State University. We are committed to helping students make the right connections to achieve the goal of completing a college degree. As an adult learner, we realize that you face a different set of challenges when it comes to finishing your education. The responsibilities of school, family, job, and whatever else is getting in the way of achieving your dreams can be discouraging. We are here to serve your needs and help you accomplish what you set out to do.

## **Online Degree Completion Programs**

FSU's undergraduate online degree completion programs enable students to take upper-division (junior and senior level) courses online to complete their degrees. Online Degree Completion (ODC) students must have completed all university and program core requirements, or be dual enrolled with a partnering community college prior to admittance to an ODC program.

- Accounting, B.S.
- Birth through Kindergarten, Non-Teaching, B.S.
- Business Administration, General Business Concentration, B.S.
- Criminal Justice, B.S.
- English Language and Literature, B.A.
- Fire and Emergency Services Administration, B.S.
- History, B.A.
- Intelligence Studies, B.A.
- Nursing
- Political Science, B.A.
- Interdisciplinary Studies, B.S.
- Psychology, B.S.
- Sociology, B.A.

Current students who seek to change their major to an online degree completion major must have a cumulative GPA of 2.0. The Bachelor of Science in Birth through Kindergarten (Non-Teaching) requires a cumulative GPA of 2.5.

Interested students should consult with department chairs or other departmental representatives for additional requirements specific to their chosen programs.

## **Residence Halls**

Living in the residence halls provides students a unique experience that will enhance their overall education at Fayetteville State University. The residence halls at FSU provide amenities that are comparable to home. All

rooms are fully furnished, have cable television connections, wired and wireless internet connects, and controlled heat and air conditioning. Most residence halls are equipped with wide-screened televisions in the lounge and all have free laundry services for residents. Students choose from a variety of living options: ten residence halls and an apartment complex. Most students are permitted to choose their own roommate, if space permits. Residence hall applications can be accessed from the MyHousingPortal located on the Department of Residence Life webpage. For further information, call (910) 672-1884.

## **Rosenthal Gallery**

The Rosenthal Gallery, located in the Rosenthal Building, is operated through the Department of Performing and Fine Arts. The gallery installs temporary exhibitions of regional, national, and international works; includes FSU faculty and student exhibitions; and hosts an annual High School Competition and an annual National Competition.

The Rosenthal Gallery offers services that supplement the curriculum through exhibits, lectures and seminars, and serves as a cultural component of the campus and the region.

## **Servicemen's Opportunity College**

Fayetteville State University is a Servicemen's Opportunity College. The Servicemen's Opportunity College is a network of institutions across the country and overseas that have recognized and have responded to expectations of servicemen and women for adult continuing education.

## **Small Business and Technology Development Center**

The Small Business and Technology Development Center (SBTDC) is a business development service of The University of North Carolina system. The SBTDC provides management counseling and educational services to small and mid-sized businesses in all of North Carolina's 100 counties. SBTDC services target established firms, high-growth companies, and start-up businesses and help them meet today's challenges, manage change, and plan for the future.

The SBTDC employs over 50 management counselors in 17 offices across North Carolina -- each affiliated with a college or university. Services are well defined and are designed to meet the clients' needs.

The primary focus of the SBTDC is management counseling, addressing issues including financing, marketing, human resources, operations, business planning, and feasibility assessment.

The SBTDC also provides targeted, research-based educational products which are focused on change management, strategic performance, and leadership development for your management team, board members, and employees.

In addition, the SBTDC offers specialized market development assistance in government procurement, international business, marine trades services, and technology development and commercialization. These services are specifically designed to aid growing companies in expanding their markets and increasing competitiveness.

For further information, please call the SBTDC's FSU campus office at 910-672-1627.



## **Study Abroad Program**

The Fayetteville State University Study Abroad Program provides opportunities for students to study in a number of foreign countries while receiving college credits and practical experience. The program provides study opportunities abroad during the Fall and Spring semesters and Summer sessions.

All study abroad transactions must be coordinated by and processed through the Office of International Education and approved by the Director of Summer School or the Office of International Education and approved by the Study Abroad Advisor. Admission is open to university students in at least their sophomore year with a good academic standing (GPA of at least 2.5). Graduate students and secondary school teachers are also eligible. Interested students for short-term faculty-led study abroad programs should contact the Office of Continuing Education and Summer School in College of Business and Economics Suite 130 or call (910) 672-1228. Interested students for other study abroad programs should contact the International Education Office in Smith Hall Suites 108 and 115 or call (910)672-1957/2153.

## **Teaching Licensure Opportunities for Transitioning Soldiers**

Fayetteville State University, in cooperation with the Fort Bragg Education Center, offers a program of Teacher Licensure Opportunities for Transitioning Soldiers (TLOTS) through the School of Education. This program allows transitioning soldiers who have a maximum of two years of active duty remaining and hold at least a B.A. or B.S. degree to enroll in a teacher licensure program. For program requirements, contact the College of Education.

## **University Library**

The Charles Waddell Chesnut Library is the central research facility for Fayetteville State University and the surrounding community. Named for Charles Waddell Chesnut, who was the third president of the institution and the first successful African-American novelist, the library is a four-level contemporary building providing nearly 80,000 square feet of space, seating for approximately 800 patrons, and a capacity for 500,000 volumes and over one million items of microform. The library currently has in its holdings in excess of 226,000 volumes; 21,422 reels of microfilm; 890,000 pieces of microfiche; 3,195 periodicals; and 56 newspapers. It is also a selective depository for state and federal documents.

The Chesnut Library meets the informational needs of the university community by offering a variety of services and special features. These include the following: electronic ordering in the acquisitions area; online cataloging and circulation system; remote access to its online public access catalog; access to Internet; local area network for CD-ROMS; fax machine; computerized information retrieval; audio-visual production; microform reading and copying facilities; computer terminals; microcomputers for users; media listening, viewing, and videotaping capabilities; and small, medium, and large group-study rooms, seminar rooms, and the J. C. Jones Boardroom. There are numerous displays and exhibits throughout the building.

The library also has an Archives and Special Collections area. The Archives section is responsible for maintaining a collection of official records, manuscripts, and materials relating to Fayetteville State University. The Special Collections section contains the papers and materials of Charles Waddell Chesnut, James Ward Seabrook, and other African-Americans and individuals who have made noteworthy contributions to southeastern North Carolina. The Special Collections section also includes selected materials by and about

African-Americans. These materials are available to scholars and researchers from the university and the community.

Professional and support staff are available to assist patrons with the online public access catalog, circulation, reference, and Inter-Library Loan services, and to provide informational tours, lectures, and classroom instruction. Extensive use is made of electronic databases and networks in the retrieval of information (e.g., NC LIVE, FirstSearch, Internet) for use by library users.

Each student enrolled at the university receives an identification card that also serves as the Library Card for borrowing materials. In addition, all students are provided library brochures that acquaint them with the facilities, services, rules, and regulations governing use of the library and library materials. A handbook is also provided as a guide to the efficient use of the library.

Members of the public may gain access to Chesnutt Library services by joining the "Friends of the Charles W. Chesnutt Library." For information, call 910-672-1232.

## **University Police and Public Safety**

Fayetteville State University strives to provide students with reasonable security while they are pursuing academic study and living in University residence halls. The Fayetteville State University Police Department is a campus law enforcement agency authorized by the Board of Trustees under Chapter 116 of the North Carolina General Statutes with full police powers equivalent to those of a Municipal Police Agency.

The department is organized in three divisions: The Operations Division provides police patrol and crime prevention services to the campus twenty-four hours a day; the Administrative Division provides investigation services as well as twenty-four hour emergency telephone and police dispatch services; and the Traffic and Parking Division performs campus parking permit and parking citation functions. Night escort services between campus buildings may be requested by calling 672-1295. Answers to questions regarding parking may be requested 8:00 a.m. to 4:30 p.m., Monday through Friday by calling 672-1726. Call 910-672-1911 in the case of an emergency.

## **University Testing Services**

University Testing Services is a clearinghouse of information about testing and assessment resources. Scanning and scoring of test documents, surveys, and questionnaires are regularly provided as well as assistance with test administration. University Testing Services offers many programs and services to the Fayetteville State University and local communities. These services include computerized placement testing, computer-based interest and personality assessments, computerized test preparation for standardized tests such as the GRE, GMAT, SAT, and a comprehensive collection of assessment resources, including reference books and video presentations for test taking and study skills development.

Nationally administered test programs such as the Graduate Record Examination, Scholastic Assessment Tests, Graduate Management Admission Test, the PRAXIS Series Examinations, the Law School Admission Test, the Miller Analogies Test, the CLEP tests, and TOEFL are administered through University Testing Services.

In Fall 1998, University Testing Services became a Computer-Based Test site as it migrated to computer-based testing for some of its national test programs, including GRE, GMAT, NBPTS, the PRAXIS (Pre-Professional Skills Test), and the TOEFL. Computer-based testing is now available year-round. Examination candidates may

make an appointment for a computer-based test by calling a toll-free number (refer to program specific Information Registration Bulletin) or University Testing Services at 672-1815 or 672-1301.

University Testing Services provides accommodations for examination candidates with special needs in accordance with the test administration provisions of the Americans with Disabilities Act (ADA). In order to reasonably accommodate an individual with a special need, the test center must be informed in advance of the testing appointment. To test under special conditions, the examination candidate must make arrangements with the testing company sponsoring the examination.

University Testing Services is a member of the National Collegiate Testing Association (NCTA), the Consortium of College Test Centers, the National Council on the Measurement in Education. UTS also endorses the *Professional Standards and Guidelines for Postsecondary Test Centers* and is guided by *Fair Test Policies* and the *Code of Fair Testing Practices*.

## **Upward Bound Program**

Fayetteville State University's Upward Bound Program is funded by the U.S. Department of Education for the purpose of providing academic support services to high school students who meet the federal eligibility criteria. The program is designed to serve seven (7) target high schools (9-12) in Cumberland, Harnett and Hoke Counties, in North Carolina. In order to meet the selection criteria, students must be from low-income families, potential first generation college students and/or disabled. The goal of the program is to provide eligible students with academic support services and activities that will enhance their academic skills, thereby ensuring that these students will complete high school and enroll in and complete programs of post secondary education. The Upward Bound program consists of a nine-month Academic Year Component, a six-week residential summer component for program participants, and a Summer Bridge Program for recent high school graduates who participated in Upward Bound. For further information, call 910-672-1172.

## **Veterans Affairs**

The Veterans Affairs Office, under the direction of the Student Support Services Department, is located in Bronco Square. This institution is approved by the North Carolina State Approving Agency for the enrollment of persons eligible for education assistance benefits from the United States Department of Veterans Affairs (VA). For information about monetary benefits contact the U.S. Department of Veterans Affairs Regional Office in Winston-Salem, NC at 1-800-827-1000. For information about the available programs at this institution contact the Campus Veterans Assistant Specialist at 910-672-1628.

## Academic Calendars

### Summer II 2020 (July 6 – July 31)

4/6/2020	Monday	Registration begins
6/30/2020	Tuesday	Waitlist deactivated
7/5/2020	Sunday	Residence Halls open at 12:00 pm
7/6/2020	Monday	First day of class/Late registration begins (\$20.00 fee)
7/6/2020	Monday	FN grade available for non-attendance
7/9/2020	Thursday	Late registration ends
7/9/2020	Thursday	Last day to submit course audits
7/10/2020	Friday	Deadline for bill clearance 10:00 am, Drop for nonpayment at 12:00 pm
7/10/2020	Friday	Course withdrawals begin
7/10/2020	Friday	University withdrawals begin
7/10/2020	Friday	Last day to submit non-attendance grade at 5:00 pm
7/13/2020	Monday	Students dropped for all reported nonattendance
7/17/2020	Friday	Last day for course withdrawals
7/17/2020	Friday	Last day for university withdrawals
7/20/2020	Monday	Student Refunds
7/31/2020	Friday	Last day of class/Final exams
8/5/2020	Wednesday	Final Grades due
8/6/2020	Thursday	Missing Grades roster to Deans

### Fall 2020 (August 5 – November 20)

4/6/2020	Monday	Registration begins
7/29/2020	Wednesday	Waitlist deactivated
7/31/2020	Friday	New faculty orientation
8/1/2020	Saturday	New students move into residence halls
8/2/2020	Sunday	Returning students move into residence halls
8/3/2020	Monday	Faculty Return
8/4/2020	Tuesday	Registration ends
8/5/2020	Wednesday	First day of class/Late registration begins (\$20.00 fee)
8/5/2020	Wednesday	FN grade available for non-attendance
8/11/2020	Tuesday	Late registration ends
8/11/2020	Tuesday	Last day to submit course audits

8/12/2020	Wednesday	Course withdrawals begin
8/12/2020	Wednesday	University withdrawals begin
8/17/2020	Monday	Deadline for bill clearance 10:00 am, Drop for nonpayment at 12:00 pm
8/18/2020	Tuesday	Census
8/20/2020	Thursday	Last day to submit non-attendance grade at 5:00 pm
8/21/2020	Friday	Students dropped for all reported nonattendance
8/26/2020	Tuesday	Student Refunds
9/7/2020	Monday	Labor Day - University closed
9/8/2020	Tuesday	Convocation
9/15/2020	Tuesday	Midterms begin
9/21/2020	Monday	Midterms end
9/24/2020	Thursday	Midterm grades due
10/13/2020	Tuesday	Last day for course withdrawals
10/23/2020	Friday	Deadline for Spring/Summer I 2021 Course Entry
10/27/2020	Tuesday	Last day for university withdrawals
10/31/2020	Saturday	Homecoming
11/2/2020	Monday	Spring/Summer I 2021 registration begins
11/11/2020	Wednesday	Veteran's Day - University closed
11/16/2020	Monday	Final Exams begin for all students
11/20/2020	Friday	Final Exam end for all students
11/21/2020	Saturday	
11/30/2020	Monday	Final grades due for all students as well as incompletes from Spring, Summer 2020
12/1/2020	Monday	Missing Grades roster to Deans/Final Grading turned off
12/4/2020	Friday	Academic Standing posted to student records
12/4/2020	Friday	Academic Standing notifications sent to students
12/24/2020	Thursday	Christmas Eve holiday - University closed
12/25/2020	Friday	Christmas Day holiday - University closed
12/28/2020	Monday	Christmas break - University closed
12/29/2020	Tuesday	Christmas break - University closed
12/30/2020	Wednesday	Christmas break - University closed
12/31/2020	Thursday	Christmas break - University closed

<b>Fall 2020 Eight Week One (August 5 – September 26, 2020)</b>		
4/6/2020	Monday	Registration begins
7/29/2020	Wednesday	Waitlist deactivated
7/31/2020	Friday	New faculty orientation
8/1/2020	Saturday	New students move into residence halls
8/2/2020	Sunday	Returning students move into residence halls
8/3/2020	Monday	Faculty Return
8/4/2020	Tuesday	Bronco Kick-Off
8/5/2020	Wednesday	First day of class/Late registration begins (\$20.00 fee)
8/5/2020	Wednesday	FN grade available for non-attendance
8/11/2020	Tuesday	Late registration ends
8/11/2020	Tuesday	Last day to submit course audits
8/12/2020	Wednesday	Course withdrawals begin
8/12/2020	Wednesday	University withdrawals begin
8/17/2020	Monday	Deadline for bill clearance 10:00 am, Drop for nonpayment at 12:00 pm
8/18/2020	Tuesday	Census
8/20/2020	Thursday	Last day to submit non-attendance grade for FN
8/21/2020	Friday	Students dropped for all reported nonattendance
8/26/2020	Wednesday	Student Refunds
9/7/2020	Monday	Labor Day - University closed
9/8/2020	Tuesday	Convocation
9/9/2020	Wednesday	Last day for course withdrawals
9/9/2020	Wednesday	Last day for university withdrawals
9/26/2020	Saturday	Last day of class/Final exams
9/30/2020	Wednesday	Final grades due
10/1/2020	Thursday	Missing Grades roster to Deans/Final grading turned off
<b>Fall 2020 Eight Week Two (September 26, 2020– November 20, 2020)</b>		
4/6/2020	Monday	Registration begins
7/29/2020	Wednesday	Waitlist deactivated
9/26/2020	Saturday	First day of class/Late registration begins (\$20.00 fee)
9/26/2020	Saturday	FN grade available for non-attendance
9/30/2020	Wednesday	Late registration ends

9/30/2020	Wednesday	Last day to submit course audits
10/1/2020	Thursday	Course withdrawals begin
10/1/2020	Thursday	University withdrawals begin
10/6/2020	Tuesday	Last day to submit non-attendance grade at 5:00 pm
10/7/2020	Friday	Students dropped for all reported nonattendance
10/30/2020	Friday	Last day for course withdrawals
10/30/2020	Friday	Last day to submit university withdrawals
11/2/2020	Monday	Spring 2021 registration begins
11/11/2020	Wednesday	Veteran's Day - University closed
11/20/2020	Friday	Last day of class/Final exams
11/30/2020	Monday	Final grades due
12/1/2020	Tuesday	Missing Grades roster to Deans/Final grades turned off
<b>Spring 2021 (February 1, 2021 – May 14, 2021)</b>		
11/02/20	Monday	Registration begins
01/18/20	Monday	University opens
01/25/21	Wednesday	Waitlist deactivated
01/31/21	Sunday	Registration ends
02/01/21	Monday	First day of class/Late registration begins (\$20.00 fee)
02/01/21	Monday	FN interim grade available for non-attendance
02/05/21	Friday	Late registration ends
02/05/20	Friday	Last day to submit course audits
02/08/21	Monday	Course withdrawals begin
02/08/20	Monday	University withdrawal begins
02/10/21	Wednesday	Deadline for bill clearance 10:00 am; Drop for nonpayment at 12:00 pm
02/12/21	Friday	Census
02/19/21	Friday	Student refunds
02/25/21	Thursday	Last day to add or remove FN non-attendance grade; 5:00 pm
02/26/21	Friday	Courses reported with FN non-attendance grades dropped
03/22/21	Monday	Midterms begin
03/26/21	Friday	Midterms end
03/26/21	Friday	Deadline for Spring/Summer I 2021 Course Entry

03/31/21	Wednesday	Midterm grades due
04/02/21	Friday	Good Friday – University open
04/05/21	Monday	Summer II 2021 and Fall 2021 registration begins
04/06/21	Tuesday	Founders' Day
04/09/21	Friday	Last day for course withdrawals
04/23/21	Friday	Last day for university withdrawals
05/03/21	Monday	Finals begin for Graduate and Doctoral graduating students
05/07/21	Thursday	Last day of class before finals begin
05/07/21	Friday	Finals end for Graduate and Doctoral graduating students
05/07/21	Friday	Finals begin for all others
05/11/21	Tuesday	Grades due for Graduate/Doctoral graduating students at 5:00 pm
05/12/21	Tuesday	Clearance forms due for Graduate and Doctoral graduating students at 12:00 pm
05/12/21	Wednesday	Missing Grades Rosters to Deans for Graduate/Doctoral graduating students
05/13/21	Thursday	Commencement rehearsal for Graduate/Doctoral Students
05/13/21	Thursday	Finals end for all others
05/14/21	Friday	Undergraduate Commencement rehearsal
05/15/21	Saturday	Undergraduate Commencement
05/19/21	Wednesday	Final grades due at 5:00 pm
05/20/21	Thursday	Missing Grades Rosters to Deans/Final grading turned off
05/24/21	Friday	Academic standing posted to student records
05/24/21	Friday	Academic Standing notifications sent to students
<b>Spring 2021 Eight Week One (February 1, 2021 – March 23, 2021)</b>		
11/02/20	Monday	Registration begins
01/25/21	Wednesday	Waitlist deactivated
01/31/21	Sunday	Registration ends
02/01/21	Monday	First day of class/Late registration begins (\$20.00 fee)
02/01/21	Monday	FN interim grade available for non-attendance
02/05/21	Friday	Late registration ends
02/05/21	Friday	Last day to submit course audits
02/08/21	Monday	Course withdrawals begin
02/08/21	Monday	University withdrawal begins



02/10/21	Wednesday	Deadline for bill clearance 10:00 am; Drop for nonpayment at 12:00 pm
02/12/21	Friday	Census
02/19/21	Friday	Student refunds
02/25/21	Thursday	Last day to add or remove FN non-attendance grade; 5:00 pm
02/26/21	Friday	Courses reported with FN non-attendance grades dropped
03/05/21	Friday	Last day for course withdrawals
03/05/21	Friday	Last day for university withdrawals
03/23/21	Tuesday	Last day of class/Final exams
03/26/21	Friday	Final grades due at 5:00 pm
03/26/21	Friday	Deadline for Spring/Summer I 2021 Course Entry
03/27/21	Saturday	Missing grades roster to Deans/Final grading turned off
<b>Spring 2021 Eight Week Two (March 24, 2021 – May 14, 2021)</b>		
11/02/20	Monday	Registration begins
01/25/21	Monday	Waitlist deactivated
03/24/21	Wednesday	First day of class/Late registration begins (\$20.00 fee)
03/24/21	Wednesday	FN interim grade available for non-attendance
03/26/21	Friday	Late registration ends
03/26/21	Friday	Last day to submit course audits
03/26/21	Friday	Last day for course audit
03/29/21	Monday	Course withdrawals begin
03/29/21	Monday	University withdrawals begin
04/02/21	Friday	Good Friday – University open
04/05/21	Monday	Summer II and Fall 2021 registration begins
04/06/21	Tuesday	Founders' Day
04/08/21	Thursday	Last day to add or remove FN non-attendance grade; 5:00 pm
04/09/21	Friday	Courses reported with FN non-attendance grades dropped
04/23/21	Friday	Last day for course withdrawals
04/23/21	Friday	Last day for university withdrawals
05/13/21	Thursday	Commencement rehearsal for Graduate/Doctoral Students
05/14/21	Friday	Last day of class/Final exams
05/14/21	Friday	Graduate/Doctoral Commencement
05/14/21	Friday	Undergraduate graduation rehearsal

05/15/21	Saturday	Undergraduate Commencement
05/19/21	Monday	Final grades due at 5:00 pm
05/20/21	Tuesday	Missing grades roster to Deans/Final grading turned off
<b>Maymester (May 17, 2021 – May 28, 2021) - Nursing Majors Only</b>		
11/02/20	Monday	Registration begins
05/17/21	Monday	First day of class
05/17/21	Monday	FN interim grade available for non-attendance
05/17/21	Monday	Late registration begins/ends - Must be in class on the first day (\$20.00 fee)
05/18/21	Tuesday	Class withdrawals begin
05/18/21	Tuesday	University withdrawals begins
05/18/21	Tuesday	Last day to add or remove FN non-attendance grade; 5:00 pm
05/19/21	Wednesday	Courses reported with FN non-attendance grades dropped
05/21/21	Friday	Last day for course withdrawals
05/21/21	Friday	Last day for university withdrawals
05/28/21	Friday	Last day of class/Final exams
06/01/21	Tuesday	Final grades due
06/02/21	Wednesday	Missing grades roster to Deans/Final grading turned off
06/03/21	Thursday	Academic standing recalculated
<b>Summer I 2021 (June 1, 2021 – June 28, 2021)</b>		
04/06/21	Monday	Fall 2021 registration begins
05/25/21	Tuesday	Waitlist deactivated
05/29/21	Friday	Registration ends
06/01/21	Tuesday	First day of class/Late registration begins (\$20.00 fee)
06/01/21	Tuesday	FN interim grade available for non-attendance
06/03/21	Thursday	Late registration ends
06/03/21	Thursday	Last day to submit course audits
06/04/21	Friday	Class withdrawals begin
06/04/21	Friday	University withdrawals begin
06/04/21	Friday	Census
06/08/21	Tuesday	Last day to add or remove FN non-attendance grade, 5:00 pm
06/09/21	Wednesday	Courses reported with FN non-attendance grades dropped

06/11/21	Friday	Last day for course withdrawals
06/18/21	Friday	Last day for university withdrawals
06/28/21	Monday	Last day of class/Final exams
06/30/21	Wednesday	Final grades due
07/01/12	Thursday	Missing grade roster submitted to Deans/Final grading turned off
<b>Summer 2021 Eight Week (June 1, 2021 – August 2, 2021)</b>		
04/06/21	Monday	Registration begins
05/25/21	Tuesday	Waitlist deactivated
05/28/21	Friday	Registration ends
06/01/21	Tuesday	First day of class/Late registrations begins (\$20.00)
06/01/21	Tuesday	FN interim grade available for non-attendance
06/03/21	Thursday	Late registration ends
06/03/21	Thursday	Last day to submit course audit registration
06/04/21	Friday	Census
06/04/21	Friday	Course withdrawals begin
06/04/21	Friday	University withdrawals begin
06/08/21	Tuesday	Last day to add or remove FN non-attendance grade, 5:00 pm
06/09/21	Wednesday	Courses reported with FN non-attendance grades dropped
06/29/21	Tuesday	Eight Week Break Begins
07/05/21	Monday	Eight Week Break Ends
07/05/21	Monday	Independence Day – University Closed
07/06/12	Tuesday	Classes Resumes
07/09/21	Friday	Last day for course withdrawals
07/16/21	Friday	Last day for University Withdrawals
08/02/21	Monday	Last day of Class/Final Exams
08/05/21	Thursday	Final Grades due
08/06/21	Friday	Missing Grades Roster submitted to Deans/Final grading turned off

# Academic Rules

## Academic Advisement

All students are assigned an advisor with whom they must consult in planning their academic programs, registering for classes, and making other decisions regarding their academic progression. Although students are expected to consult advisors on a regular basis, **students bear final responsibility for the decisions they make.**

### **Advisors are assigned to students according to the following guidelines:**

- University College advisors serve students who enter as first-time freshmen. University College advisors are the primary advisors for students in Freshman Seminar or University Studies. Once students complete Freshman Seminar or University Studies, University College advisors serve as secondary advisors until students earn thirty credit hours.
- Academic advisors in the departments and schools or the Academic Advising Offices of the colleges serve as the initial point of contact for new majors, new transfer students, readmitted students, and those students who are experiencing academic difficulty (<https://www.uncfsu.edu/academics/academic-resources/academic-advising>).
- Undecided students who are juniors or seniors should see the College or School Academic Advising Office that has the major that they might be interested in pursuing.

### **To facilitate effective advisement and degree completion, students are required to take the following steps:**

- Students are required to check their FSU email on a regular basis to receive notifications about upcoming events and deadlines and information from academic advisors.
- Students must communicate with the officially assigned advisor at least two times each semester to review the student's progress toward degree completion. Students are responsible for initiating this communication in person, by phone, or through FSU email.
- Students whose GPA falls below 2.0 are required to meet with their advisor to complete an Academic Success Plan and take all actions agreed upon with advisors.
- Students must run their online degree evaluation to develop a plan for degree completion.
- **Students are eligible to apply for graduation** once they have earned 90 credit hours. Students should run their online degree evaluation and confer with their advisor to determine graduation eligibility. Students must apply for graduation using their online Banner account.
- Students must remain aware of and make decisions consistent with university policies, deadlines, and degree requirements as stated in the catalog, the FSU website, and other official documents.
- Students must recognize that failure to follow the steps outlined above will delay their graduation.

### **To facilitate their advisees' degree completion, Academic Advisors must take the following steps:**

- Advisors will be available during published office hours and at other times by appointment to assist advisees in completing the student responsibilities outlined above.
- Advisors will provide accurate information in a timely manner. Advisors will usually respond to student inquiries within two business days. When advisors are not available, students should contact the department chair.
- Advisors will help students understand their responsibilities, as outlined above, in the advisement process.
- Advisors will direct students to appropriate university resources for assistance as needed. For students whose GPA falls below 2.0, advisors will work with the student to develop an Academic Success Plan and monitor student's implementation of the plan.
- Advisors will review online degree evaluations with students and advise them accordingly based on degree requirements and university policies.
- Advisors will respect advisees as individuals with different backgrounds and educational/life goals.
- Advisors will respect the confidentiality of information shared by advisees and protect the privacy of students as defined by the Family Educational Rights and Privacy Act (FERPA)
- Advisors are responsible for maintaining accurate records of meetings with advisees.
- Advisors must recognize that failure to complete the responsibilities outlined here will likely delay a student's graduation.

## Academic Fresh Start

Academic Fresh Start allows degree-seeking students whose academic record would otherwise prevent them from enrolling to resume their studies at Fayetteville State University after a period of non-enrollment without the burden of their prior grade point average. Academic Fresh Start does not apply to Special Visiting Students. Under Academic Fresh Start:

- All course work completed at FSU prior to the semester of re-admission will be excluded from the GPA calculation.
- All previous courses in which the student earned a final grade of C or higher will be used to fulfill degree requirements. Such courses will be designated "XG" in the academic transcript.
- Previous courses in which the student earned a D or lower will not be used to fulfill degree requirements and will not count as earned hours. Such courses will be designated "XC" in the academic transcript.
- All course work will remain on the transcript with the following notation: "Academic Fresh Start."
- All attempted hours will remain on a student's record, and, hence, hours covered by Academic Fresh Start will be used in determining financial aid eligibility.

To be eligible for Academic Fresh Start, students must meet admissions criteria at Fayetteville State University. Students must demonstrate the potential for degree completion in one of the following ways:

- They must have a period of non-enrollment for at least four consecutive semesters and provide evidence in their request that the conditions that led to poor academic performance have been corrected; OR
- They must have a record of academic performance at another institution subsequent to their departure from FSU that demonstrates the potential for academic success at FSU.

A record of academic performance may be demonstrated by earning an Associate degree or academic certificate program in which 15 or more semester hours are transferrable, or earning at least 15 transferrable hours. The following provisions will apply for students readmitted under this program:

- **A student will be granted Academic Fresh Start only one time.**
- Students readmitted under the Academic Fresh Start program will be required to enroll in a Student Success Program approved by the student's College or School Academic Advising Office to help them achieve success while re-enrolled.
- Academic Fresh Start students will be eligible for financial aid in the first semester of re-enrollment only if their request is based on a record of academic performance at another institution after their departure from FSU. If a student does not have a record of academic performance from another institution, the student will be responsible for all tuition and fees the first semester of reinstatement and must enroll as a full-time student. Academic Fresh Start students will be eligible for financial aid if they meet satisfactory academic progress; to do this, they must achieve a cumulative grade point average of 2.0 and a progression rate of 67% in hours attempted after their reinstatement with less than 180 attempted hours.

Requests for Academic Fresh Start must be submitted using the Academic Appeal and, if applicable, also include any record of academic performance at another institution.

Academic Fresh Start will be applied to the student's record at the end of the semester (fall or spring) of the student's return after final grades have been posted.

## Academic Honors

The university recognizes student academic excellence through the Chancellor's List, the Deans' List, and invitation to membership in a number of honor societies. The annual Honors and Awards Day Ceremony highlights excellent academic achievements by students.

### Chancellor's List

Students who successfully complete at least twelve (12) semester hours during one semester (or two consecutive terms for Fort Bragg students), earn a GPA of 3.75 or higher, and have no incomplete grades are placed on the Chancellor's List.

### Deans' List

Students who successfully complete at least twelve (12) semester hours during one semester (or two consecutive terms for Fort Bragg students), earn a GPA of 3.2 to 3.74, and have no incomplete grades are placed on the Deans' List.

## Honors and Awards Day

Students eligible for recognition at the Honors and Awards Day ceremony must be degree seeking undergraduate students. The criteria for recognition during the Honors and Awards Day ceremony are as follows:

- The student must be full-time for both the fall and spring semesters.
- The student must have a GPA of 3.2 or better.
- The student must have earned the following hours at Fayetteville State University:
  1. Freshman -12 or more

2. Sophomore - 20 or more
3. Junior - 40 or more
4. Senior - 60 or more

## **Honor Societies - General**

### **Alpha Kappa Mu Honor Society**

A chapter of Alpha Kappa Mu National Honor Society was established at Fayetteville State University in 1940 to promote scholastic excellence among the students of the institution. To qualify for election to membership in Alpha Kappa Mu students must:

- be classified as juniors or seniors.
- have earned a minimum of sixty (60) semester credits.
- maintain a GPA of 3.3 or higher.
- graduate with fifteen (15) or more credit hours earned at FSU with a GPA of 3.7 or higher.

Transfer students are not eligible for membership in the organization until they have been in residence at the university for two semesters.

### **Phi Eta Sigma**

Phi Eta Sigma is a national honor society for college freshmen. Its goal is to encourage and reward academic excellence among freshmen in institutions of higher learning. The oldest and largest freshman honor society, Phi Eta Sigma was founded at the University of Illinois in 1923. The chapter at Fayetteville State University was established in 1992. To be eligible for membership in Phi Eta Sigma students must:

- verify eligibility in the freshman year of study.
- have a cumulative grade point average of at least 3.5 at the close of the semester in which membership is sought.
- apply for membership.

### **Tau Sigma**

Tau Sigma is an academic honor society designed specifically to recognize and promote the academic excellence and involvement of transfer students. Tau Sigma was incorporated as a non-profit in 1999 with Auburn University being the home of the first chapter. The chapter at Fayetteville State University was established in 2008. To be eligible for membership in Tau Sigma students must:

- transfer to a four-year institution of higher learning from another academic institution with at least one full years' academic credits satisfied at the prior institution(s).
- be registered in a course of study leading to a bachelor's degree for an amount of work equal to an average full load (at least 12 hours).
- attain superior academic achievement during their first term in the institution to which they transfer (only credit hours that count toward a bachelor's degree can be used to determine Tau Sigma eligibility). The minimum academic average required for membership is a 3.5 on a 4.0 scale.
- apply for membership.

## **Honor Societies - Discipline Specific**

Alpha Kappa Delta	Sociology
Alpha Phi Sigma	Criminal Justice
Beta Gamma Sigma	Business Administration
Beta Kappa Chi	Natural Sciences and Mathematics
Kappa Delta Pi	Education
Phi Alpha	Social Work
Phi Alpha Theta	History
Pi Gamma Mu	Social Studies
Psi Chi	Psychology
Sigma Delta Pi	Spanish
Sigma Tau Delta	English

## **Appeal Procedure**

Students may appeal academic suspension, excessive hours, and low Satisfactory Academic Progress (SAP) by submitting the online Academic Appeal form. The completed form must address each of the following:

- The extenuating or unusual circumstances which contributed to the student's academic suspension along with supporting documentation;
- Actions the student has taken to change the circumstances so that they will not contribute again to poor academic performance;
- Specific steps the students will take to improve his or her academic status in the upcoming semester;
- An address and phone number at which the student may be notified of the committee's decision.

Appeals will be granted only under extraordinary circumstances and must be appropriately documented. Student appeals submitted after the deadline may not be considered.

## **Application for Graduation**

Students are eligible to apply for graduation once they have earned 90 or more credit hours. All students who expect to graduate must submit the online graduation application and pay the non-refundable graduation fee, through their online Banner account. Before doing so, the student should review and discuss their online degree evaluation with their advisor to determine if they are on track to meet degree requirements.

Students must apply for graduation in order to participate in commencement exercises. Prospective graduates for Spring Commencement must apply for graduation by March 30 of the same year. The university assumes no



responsibility for making special adjustments for students who file late applications for graduation. The university cannot guarantee that names of students who file late applications will appear in the Commencement booklet or the Honors supplement.

Students who fail to meet graduation requirements automatically void their candidacy for that particular graduation term. If the student does not complete the necessary degree requirements within two semesters of his/her expected term of graduation, then the student must re-apply and pay an additional application fee.

## **Auditing of Courses**

Students who wish to audit a course must complete the Course Audit Form and submit it to the Office of the Registrar for enrollment in the course(s). Students must not have any type of hold which prevents registration. The Office of the Registrar will notify Student Accounts for appropriate billing at the end of late registration. Audited courses carry no credit and a grade of AU is given. Students registered for audit will not be permitted to change to credit after the close of late registration. Conversely, students registered for credit will not be permitted to change to audit after the close of late registration.

### **Senior Auditors - Persons at least 65 years of age and North Carolina residents**

A senior auditor is a student who is at least 65 years of age and a North Carolina resident as determined by the UNC System through the Residency Determination System (RDS). Senior auditors may audit courses at any University of North Carolina constituent institution without payment of any required registration fee or tuition. Senior Auditors must be in good academic standing and must not have any financial holds that would prevent registration. Senior auditors can only audit lecture-based courses and not courses which require laboratories, studios, or performances. Auditing is not permitted in online distance education courses, independent studies courses, internships, special topics or other special courses as outlined by Fayetteville State University.

## **Catalog Policy**

Students are not permitted to combine the requirements of two or more catalogs for one major. However, double or dual majors can use separate catalogs to meet degree requirements if the second declared major was not in existence at the time of the initial declared major. Students must complete the curriculum requirements as outlined in the catalog that is in effect at the time of their initial enrollment at the university, except for the following reasons:

- Time to degree – Degree requirements remain in effect for six years for students who maintain six years of continuous enrollment from the date of their initial enrollment at the university. Students who do not complete all degree requirements within six years of continuous enrollment will be guided by the catalog in effect when they apply for graduation. Students who do not maintain continuous enrollment must apply for readmission to the university.
- Readmitted students - Students who are not enrolled for more than two consecutive semesters (fall and spring or spring and fall) must apply for readmission to the university. If readmitted, students may follow the catalog in effect at the time of their re-enrollment or any subsequent catalog. For readmitted students, the time limit for completing all degree requirements will be calculated from the date of their re-enrollment. Readmitted students who are unable to complete their degrees within the time to degree limits must complete the curriculum requirements as outlined in the catalog that is in effect when they apply for graduation.

- Selection of current catalog - Students may choose to be guided by any catalog in effect subsequent to their admission or readmission to include the catalog in effect when they apply for graduation. Students must meet all the requirements of that catalog. Students who are unable to complete their degrees within the time to degree limits must complete the curriculum requirements as outlined in the catalog that is in effect when they apply for graduation.

This policy applies only to degree program requirements. Students are governed by the academic regulations of the current catalog. Students must become thoroughly familiar with all current regulations of the university. Students are solely responsible for complying with all regulations of the university, of their school or college, and of the departments from which they take courses. They are also responsible for fulfilling all requirements for their respective degree programs. Requirements are considered complete only when appropriate documentation is recorded in the Office of the Registrar.

## **Certificates**

Students who want to complete an undergraduate certificate must:

- Be admitted into an undergraduate degree program per Admissions guidelines.
- Complete all requirements of the degree program and certificate.
- Earn the minimum required Grade Point Average for courses in the degree program and the certificate.

Certificate credentials will not be awarded until the completion of the undergraduate degree program. Upon completion of program requirements, students must pay a \$35.00 certificate printing fee in addition to the graduation application fee if they desire a printed certificate of completion.

## **Certificate Completion Dates**

To ensure consistency in certificate completion dates and to better monitor when students complete the certificate, the certificate completion dates will be aligned with the published end of term graduation dates. That is, the certificate completion date will be at the end of the term of enrollment, regardless of when a student completes his/her required courses.

Students must check their official FSU student email account on a regular basis for updates on their certificate completion status. Students must maintain contact with their academic department and/or advisor to ensure that all necessary documents are completed and all certificate requirements are met. Requirements are considered complete only when appropriate documentation is received by the Office of the Registrar.

Certificates and transcripts for students who complete requirements in the summer will indicate the date at the end of the summer term.

## **Certificate Distribution**

Students may begin to request official transcripts through their online Banner account four weeks after the commencement ceremony. Certificates will be mailed to students four to six weeks after the commencement ceremony. All financial obligations to the university must be met for students to receive a certificate and/or transcript.

## **Class Attendance or Participation**

Regular attendance at course meetings is expected of all students attending an institution receiving Title IV funds. Students are expected to attend all class meetings, laboratories, and other instructional sessions for all courses in which they are enrolled. Students are also expected to arrive to class on time and remain in class for the entire scheduled period. When students must miss class(es) for unavoidable reasons—i.e., illness, family emergencies, participation in official university sponsored activities, or participation in required religious observances – they are responsible for informing faculty of the reasons for the absences, in advance if possible, and completing all missed assignments. Faculty members will indicate in their syllabi the conditions for making up missed assignments, as well as any penalties for unexcused absences or tardiness.

FSU's policy authorizes a minimum of two excused absences each academic year for religious observances required by the faith of a student. For more detailed information and forms, see our policy on Religious Observances on <https://www.uncfsu.edu/assets/Documents/Office%20of%20Legal%20Affairs/ReligiousObservances.pdf>.

Faculty must assign an interim grade of FN to students who never attend class.

Class attendance for face-to-face classes is defined as regularly attending and participating in the course where it is physically located. Class attendance for hybrid classes is defined as attending and participating in a format that combines face-to-face and distance education formats.

For distance education courses, Fayetteville State University follows the federal examples that explains acceptable indications of class attendance in distance education courses. Examples can include student submission of an academic assignment, student submission of an exam, documented student participation in an interactive tutorial or computer-assisted instruction, a posting by the student showing the student's participation in an online study group that is assigned by the institution, a posting by the student in a discussion forum showing the student's participation in an online discussion about academic matters, and an email from the student or other documentation showing that the student initiated contact with a faculty member to ask a question about the academic subject studied in the course. Documentation of a student logging into a class is not enough, by itself, to demonstrate academic attendance by the student in distance education classes.

An instructor may request disenrollment of students from his or her class if students fail to attend the first class meeting of the semester or term and do not make contact to notify or explain the unavoidable reasons for not being able to meet the first day of class.

The instructor may request disenrollment by assigning the interim grade of FN on the first day of class to students who fail to attend and does not contact the instructor to notify or explain the unavoidable reasons for not being able to meet the first day of class. The student and the instructor of the class will receive an email notification confirming the interim grade. Students must take the necessary steps to attend class, contact the instructor, drop the course (if registration is still open), or withdraw from the course (if registration is closed).

Faculty can also remove the interim FN grade up until the date specified on the academic calendar, based on the documented and excused rationale of the student, i.e. illness, family emergencies, participation in official university sponsored activities, or participation in required religious observances.

All courses identified with the interim FN grade at the specified date per the academic calendar, will be dropped from the student's enrollment. Student appeals for reinstatements will be considered on a case-by-case basis, at the discretion of the instructor for a specified period only.

## Last Date of Attendance

Though Fayetteville State University is not required to take attendance, to remain in compliance with federal student aid reporting requirements, faculty must submit the last date of attendance for students who receive failing grades. For students who receive grades of "F", faculty must assign the last date of attendance as the last date the student interacted with the class.

## Class Cancellations

During any semester or summer session, the university reserves the right to cancel classes. Students will be notified by email of class cancellations. If classes are canceled after the close of the official drop-add period, provisions will be made to allow students to adjust their schedules. Students must have the approval of the instructor of the classes in which they intend to enroll.

## Classification of Students

Undergraduate students at Fayetteville State University are classified according to the number of semester hours they have earned, including hours transferred from other institutions, in keeping with the following table:

Less than 30 hours	Freshman
30 - 59 hours	Sophomore
60 - 89 hours	Junior
90 or more hours	Senior

Students are also classified according to the following categories:

- **Regular Student** - A regular student is one who has met all admission requirements and who is pursuing a degree program.
- **Full-Time Student** - A full-time student is one who registers for a minimum of twelve credit hours during a regular semester or six credit hours during a summer session. Students enrolled at the Fort Bragg Center are considered full time if they enroll in at least six hours per term for a minimum of twelve hours for the semester.
- **Part-Time Student** - A part-time student is one who registers for fewer than twelve credit hours during a regular semester or fewer than six credit hours during a summer session.
- **Special Visiting Student** - A special visiting student is one who is not pursuing a degree program. Most special visiting students have permission from a home university or college to enroll in FSU courses, or are high school students earning university credit, or are non-degree seeking students enrolling for life enrichment.

## Class Withdrawals

Students may withdraw from individual classes until the deadline each semester, term, or session (see Academic Calendars for specific dates). Students who complete the class withdrawal process will receive a grade of W.

Tuition and fees are not adjusted for withdrawing from individual classes. Students are required to earn at least 67% of their attempted hours each semester to maintain financial aid eligibility. Students who withdraw from more than 33% of their attempted hours in a semester will lose financial aid. Failure to attend class does not constitute official withdrawal from that class.

Note that if students are enrolled in only one (1) course and choose to withdraw from the course, the student must withdraw from the university instead of withdrawing from the course.

Students are permitted to withdraw from a maximum of 16 credit hours throughout their undergraduate career. After a student has exceeded this limit, the student must earn a final grade of A, B, C, D, F, or FN.

If a student, using the online course withdrawal process, withdraws from all courses for which the student is enrolled, the student is considered to have officially withdrawn from the university. The official university withdrawal date will be the date the student withdrew from the last class. A student's financial aid may be prorated during this process.

## **Commencement and Degree Conferral**

Official degree conferral and commencement are two distinct events.

Degrees are officially conferred only after the Registrar verifies that a student has completed all degree requirements and designates a degree conferral date on the student's official transcript. Degrees are officially conferred four times a year, in May, June, August, and December. Diplomas bearing the official degree conferral date are mailed to graduates four to six weeks after the Registrar verifies completion of all requirements. Diplomas and transcripts will be withheld from any graduate with unpaid university bills.

Commencement is a traditional academic ceremony that celebrates students who have attained the important milestone of degree completion. The conferral of degrees by the Chancellor at commencement is for ceremonial purposes and does not guarantee official degree conferral.

Commencement is conducted once a year, at the end of the spring semester.

Graduates with degrees conferred in December are eligible to participate in the spring commencement immediately following degree completion. Prospective graduates with degree conferral scheduled for the end of Spring or any Summer session will be permitted to participate in commencement of the same year as scheduled degree conferral if they are enrolled in all outstanding courses required for degree completion, which may include one or more summer terms.

All students must apply for graduation and pay the graduation fee regardless of whether they participate in commencement or not.

## **Concentration**

A concentration is a well-defined area of specialization available to students within an approved major. In some cases, departments may use the terms "concentration" and "certificates" interchangeably, but in each case, departments will bundle certain existing courses for a concentration or certificate. The certificate and concentration are earned in conjunction with a degree in a specific degree program. A concentration or certificate should have a maximum of 8 courses. If necessary, a justification can be submitted to adjust the maximum number of courses required.

## Course Load

The maximum credit hours in which a student may enroll in a semester or summer session is governed by the following guidelines.

<b>Fall or Spring Semester</b>	
<b>12 hours per semester:</b>	Minimum course load required for full-time status
<b>14 hours per semester:</b>	Maximum course load for students below 2.0
<b>15 hours per semester:</b>	Minimum average course load required each semester to graduate in four years
<b>18 hours per semester:</b>	Maximum course load for student in good academic standing or good standing with warning*
<b>21 hours per semester:</b>	Maximum course load for student with cumulative GPA of 3.0 or higher
<b>Eight Week Terms: Main Campus and Distance Education</b>	
<b>6 hours per term:</b>	Minimum course load required for full-time status
<b>9 hours per term:</b>	Maximum load for each eight-week term*
* Students with a minimum GPA of 2.0 may enroll concurrently in semester-long and eight-week classes for a maximum of 21 credit hours.	
<b>Maymester (Nursing Only)</b>	
<b>4 hours for Intersession:</b>	Student <u>must</u> be in good academic standing or good academic standing with warning to enroll in Intersession*
<b>Summer School</b>	
<b>8 hours per session:</b>	Maximum course load for student with cumulative GPA less than 3.0
<b>10 hours per session:</b>	Maximum course load per summer session for student with minimum cumulative GPA of 3.0
*Enrollment in Intersession does <u>not</u> reduce maximum course loads in any other session or term.	

Students with a cumulative GPA of at least 2.0 may exceed these course load limits only with written approval of the advisor, department chair, and dean using the Course Overload Form. Such approvals will normally be given only in cases when the overload will enable the student to complete degree requirements in the semester/term for which the overload is requested.

## Course Repeat Policy

Students may repeat a course but can only earn credit hours once for any given course (except in cases where the faculty designate a course as one that can earn credit more than once). When a student repeats a course, the lower grade is excluded from the calculation of the Grade Point Average and the higher grade is included. A student is allowed a maximum of 16 credit hours for course repeats without penalty (a student cannot replace the grades of the same course more than once). "Without Penalty" means that only the higher grade will be calculated into the student's Grade Point Average. All original entries and grades will appear on the student's permanent record with the designation that the lower grade has been excluded from the Grade Point Average.

If a student repeats the same course for a second time or more, and/or exceeds the maximum of 16 credit hours, all attempted hours will be counted and all grades will be calculated into the Grade Point Average. However, students can only earn credit once for each course.

If a student earns a passing grade twice for the same course, only one set of course credit hours will be counted toward graduation (except in cases where faculty designate a course as one that can earn credit more than once).

All repeated courses are included in a student's total attempted hours.

This regulation will allow a student to receive Title IV federal financial aid for only one repeat of any previously passed course or its equivalency.

A student attempting a second repeat of a previously passed course cannot have the enrollment for the course count toward the student's Title IV financial aid eligibility.

## Course Substitutions and Waivers

Under exceptional circumstances a substitution of or exemption from prescribed courses in a curriculum will be permitted. The request for a course substitution or course waiver must be prepared and initiated by the student's advisor for approval by the chair of the department and the dean of the college or school in which the student is earning a degree. The request must provide academically defensible arguments justifying the substitution or waiver.

Credit hours are not awarded when a course is waived. Hence, when a course waiver is approved, the student will usually need to complete additional electives to ensure completion of credit hours.

## Credits

The following terms apply to a student's enrollment and academic record:

- **Credit hour** – The minimum credit hours required for any baccalaureate degree at Fayetteville State University is 120. FSU follows the federal definition of a credit hour. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:
  1. One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; or

2. At least an equivalent amount of work as required in paragraph (a) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.
- **Attempted hours** – The credit hours in which a student is enrolled at Fayetteville State University, to include hours transferred from other institutions.
  - **Earned hours** – The credit hours for each course in which a student earns a final grade of D or better at Fayetteville State University and credit hours transferred from other institutions with a grade of C or better.
  - **GPA hours** – The credit hours used in the calculation of a student's GPA. The minimum GPA required for any baccalaureate degree at Fayetteville State University is 2.0.

## Cross-Listing and Cross-Level Listing Guidelines

Cross-listing and cross-level listing courses links courses together for scheduling purposes. Cross-listed and cross-level courses meet in the same location, on the same days, and at the same times of day. Types of acceptable cross-listed and cross-level courses include the following.

- **Cross-listed courses** where two or more disciplines use the same course title, description, fixed (non variable) credit hours, repeat rules, instructor, curriculum, and prerequisites. Cross-listed courses must be approved and removed through the academic proposal process: all units responsible for a cross-listed course must endorse the proposal to cross-list a course; if a unit wishes to remove an existing cross-list, all affected units must agree to remove a cross-list, and the unit must contact the affected units before submitting the request. A cross-listed course becomes the responsibility of all units listing it. Scheduling of a cross-listed course involves coordination of all units included in the cross-listing. Approved cross-listed courses must be noted at the end of catalog course descriptions as follows: This course is cross-listed with FINC 415.
- **Cross-level courses** taught within the same discipline in which subject is related, but the course numbers differ by level within a numbering range of 400-699 to ensure academic rigor. Undergraduate courses of 399 or below shall not be cross-listed with a graduate course. Cross-level courses must be approved through the academic proposal process: the differentiation of cross-level courses and student learning outcomes must be explained and demonstrated in attached syllabi (requirements, readings, grading, rigor, etc.). The university will apply the appropriate grading basis for the student's designated academic career. Approved cross-level courses must be noted at the end of catalog course descriptions as follows: This course is cross-level listed with MGMT 491.

Sections cannot be approved as cross-listed or cross-level courses in the following situations.

- They can be offered for variable credit.
- They satisfy different General Education requirements.
- They are traditional independent study, honors thesis, practica, internships, directed readings, master's thesis, or dissertation courses.

Students only receive credit for the single section of the cross-listed or cross-level course for which they are registered. Credit will not be awarded for a course where credit has been awarded for a cross-listed or cross-level course. If the number of students enrolled in all sections of a cross-listed or cross-level course is less than the cap for one course, then all sections of a cross-listed or cross-level course count together as one course for instructional load purposes.



## **Diploma Distribution**

Students can begin to request official transcripts through their online Banner account four weeks after the commencement ceremony. Diplomas will be mailed to students four to six weeks after the commencement ceremony. Students must satisfy all financial obligations to the university and complete the financial aid exit interview, if applicable, to receive a diploma and/or transcript.

Diplomas and transcripts for students who complete requirements in the summer will indicate the date at end of the summer term the student completes requirements.

## **Dishonesty in Academic Affairs**

Acts of dishonesty in any work constitute academic misconduct. Such acts include cheating, plagiarism, misrepresentation, fabrication of information, and abetting any of the above. Plagiarism presents pitfalls to be avoided: failure to document any words, ideas, or other contributions that do not originate with the author constitutes plagiarism. Widespread use of the World Wide Web (Internet) requires particular attention to proper documentation practices. Individual course syllabi offer additional clarification about requirements for proper documentation. Actions outlined in the Fayetteville State University Student Handbook under Disciplinary System and Procedures will be followed for incidents of academic misconduct. The handbook may be obtained from the Office of Student Affairs located in the Collins Administration Building. Non-disclosure or misrepresentation on applications and other university records will make students liable for disciplinary action, including possible expulsion from the university.

## **Dropping and Adding Classes**

Students may adjust their schedule of classes through the last day of late registration (see Academic Calendars for specific dates). After this date, students will be permitted to adjust their schedules only for unusual and documented circumstances beyond their control and must be approved by the faculty member, department chair, dean, and provost. Students are cautioned that adjustments of their official schedule may affect tuition, fees, and financial aid eligibility, and may require additional payment and/or reimbursement of financial aid awards.

## **Early Warning System**

Fayetteville State University's Early Warning System (EWS) complies with UNC policy and regulations on Fostering Student Success (400.1.5 and 400.1.5R). The purpose of the EWS is to alert campus personnel to signs of poor academic performance by a student or of behavior likely to lead to a student's poor academic performance. Such students are considered "at-risk".

### **A. Identification of At-Risk Students**

At FSU, at-risk students are identified in several ways, including midterm grades, academic standing, and non-registration. All instructors are required to assign midterm grades in all undergraduate courses by the midterm grade deadline each term. See Grades in Academic Regulations for more information about midterm grades. Academic Standing other than Good Standing is another indicator of poor performance. Students are placed on

academic probation if their cumulative grade point average is below 2.0 at the end of the fall semester. If their cumulative GPA is below 2.0 at the end of the spring semester, they are placed on academic suspension. For more information on probation and suspension, see Scholastic Standards in Academic Regulations.

Once registration opens for the following semester, students who neither applied to graduate nor registered for the following semester are also considered at-risk of not continuing.

## **B. Notification**

At-risk identifiers are available to students, advisors, and other campus officials in Banner. However, FSU takes several steps to ensure that these parties are actively informed.

Students who earn grade alerts receive an e-mail. Students who fail to register for the following semester are sent e-mail reminders. Students are notified by e-mail if they are placed on Academic Probation or Academic Suspension.

Advisors are also informed of grade alerts. Twice each semester, at week five and at midterm, advisors receive an Advisement Reporting Survey that lists their advisees and any grade alerts their advisees may have received. Weekly grade alert reports are sent to department chairs and the directors of programs concerned with student success, such as Athletics and the Early College.

Academic standing is also communicated to advisors, chairs, and program directors. The advisement reporting surveys indicate the academic standing of advisees, allowing advisors to identify quickly students at risk because of low GPA. The grade alert reports that identify interim grade alerts for chairs and program directors also include academic standing.

Once registration for the following term begins, chairs receive weekly reports on which of their majors have registered for the following term. Advisors can see which of their advisees have registered through an advisement reporting survey administered after registration opens.

## **C. Follow-Up**

Advisors are asked to communicate with students who earn grade alerts. Chairs and program directors also communicate with such students. Intervention may take the form of an e-mail, phone call, or office visit. Students on academic probation are asked to create an Academic Success Plan with their advisor to identify strategies for succeeding in classes during the current term.

Students who fail to register are sent e-mails from their chair or from University College. Post cards and phone calls are also used to remind students to register for the following term.

## **Eight-Week Terms**

### **Information and Guidelines**

To facilitate the diverse scheduling needs of its students, Fayetteville State University offers classes in the evenings and on Saturdays during five eight-week terms per academic year. Terms I and II coincide with the

fall semester; Terms III and IV coincide with the spring semester; and Term V coincides with summer session (see "Academic Calendars" for specific eight-week term dates).

Requirements that apply exclusively to eight-week classes are delineated below. Classes taught in eight-week terms are the same in content, quality, and requirements as classes taught in the regular sixteen-week semester. During the fall and spring semesters, students may enroll in eight-week term classes only, or simultaneously in eight-week and regular semester courses.

## Registration Schedule

See the Academic Calendar for specific registration dates.

## Tuition and Fees

Requirements for payment of tuition and fees of students enrolled in the regular semester apply to students enrolled in Terms I and II or Terms III and IV, and students enrolled simultaneously in regular semester courses and eight-week term classes. For such students, tuition and fees will be assessed at the beginning of the semester and based on the student's total course load for the semester. If eligible, the student will be awarded financial aid based on his or her total hours for the semester. Students in this category can also utilize the monthly payment plan.

Students enrolled in a single eight-week term must make full payment by the last day of late registration. All payments must be made to Student Accounts, located on the second floor of the Lilly Building.

## Course Load

The maximum number of hours in which a student may enroll in a single eight-week term is nine. For students enrolled simultaneously in eight-week and regular semester courses, the total hours may not exceed the number permitted for the entire semester (see "Course Load" above).

## Class Withdrawals

The deadline for withdrawing from individual classes in a single eight-week term is the end of the fifth week of classes (see "Academic Calendars" for specific Eight-Week Term dates). **Refunds are not given for withdrawals from individual classes.** If a student, using the online course withdrawal process, withdraws from all courses for which the student is enrolled, the student is considered to have officially withdrawn from the university. The official university withdrawal date will be the date the student withdrew from the last class.

## Withdrawal from the University

See the "Withdrawal from the University" section above.

The deadline for withdrawing from the university is two weeks prior to the last day of classes for that term.

*Note: Students may not withdraw from the university in Term II or Term IV after receiving final grades in any class in Terms I and III, respectively.*

## Electronic Mail

Fayetteville State University provides to each student, free of charge, an electronic mail account that is easily accessible via the Internet. The university has established email as the primary mode of communicating with enrolled students about impending deadlines, upcoming events, and other information important to student progression at the university. Students are responsible for reading their email on a regular basis to remain aware of important information disseminated by the university. The university maintains open-use computer laboratories throughout the campus that can be used to access electronic mail.

Students making inquiries via email to FSU faculty and staff about academics, grades, bills, financial aid, and other matters of a confidential nature are required to use their FSU email account. The university electronic mail policy may be found at: <https://www.uncfsu.edu/faculty-and-staff/departments-and-offices/office-of-legal-affairs/policies-and-procedures>.

## Enrollment Verification Policy

Students may request enrollment verifications through the National Student Clearinghouse for current or previous enrollments. For more details, visit the Office of the Registrar website at <https://www.uncfsu.edu/faculty-and-staff/departments-and-offices/office-of-the-registrar/degree-and-enrollment-verification>.

## Examinations and Assessments

### Profile Examinations

Profile Examinations assess entering students' basic academic skills. The results of these examinations are used in conjunction with students' academic records to ensure effective advisement. Entering students should contact University Testing Services for information about dates, times, and locations for the administration of profile examinations. Profile Examinations are required of new students according to the following guidelines:

**First-time freshmen**, including students admitted as Special Visiting pending acceptance as degree-seeking students, must complete profile examinations before enrolling in classes.

**Transfer students** will not be required to complete profile examinations if they are transferring in 30 or more credit hours, including at least six credit hours of university-level English and at least six credit hours of university-level mathematics. Any transfer students not meeting all of these conditions must complete profile examinations. Transfer students who are unsure if they meet one or more of these requirements are advised to complete profile examinations to avoid possible delays in advisement and registration.

**Special/Visiting students** who do not plan to earn a degree at FSU (i.e. who are seeking teacher certification or life enhancement, or who have permission from another institution to enroll at FSU) are not required to complete profile exams UNLESS they plan to enroll in a mathematics or English course for which they have not completed the appropriate prerequisite.

## **Rising Junior Examination**

Fayetteville State University administers the rising junior examination as part of its system of educational accountability. The examination assesses student proficiency in core student learning outcomes upon the completion of the University College Core Curriculum. All students who enter the university with fewer than 60 credit hours are required to complete the rising junior examination before being unconditionally admitted to the upper division.

PRAXIS I fulfills the rising junior examination requirement for students majoring in teacher education programs (contact the College of Education for additional information). The rising junior examination is administered each year. Currently, there is no fee to take the exam. Eligible students will receive notification of the requirement to take the examination at the completion of a minimum of 42 semester hours of course work.

## **Graduating Senior Assessment**

The Graduating Senior Assessment (GSA) assesses critical thinking, analytical reasoning, writing and decision-making. All graduating seniors are required to complete the GSA after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. While FSU will notify seniors about dates, times, and locations of administration of the GSA through email, campus wide news, and notifications from instructors and advisors, students are responsible for making sure they complete the GSA. Eligible students who have not been notified of the assessment should contact the Office of University Testing Services.

## **Mid-term and Final Examinations**

At the mid-term and at the close of each semester, course examinations are administered. Since a measure of students' progress in a course is indicated by their performance on these examinations, they are required of all students except the following: (1) Students who are auditing courses or (2) Students who have maintained a 4.0 average in a course and, at the discretion of the instructor, are excused from the final examination provided that they have been evaluated substantially during the semester.

Since final examination periods are considered part of the instructional time for each class, final examinations are required in all classes. Students not present at an officially-scheduled final examination must contact the instructor of the course before the end of the final exam week to request a deferred final examination. Students who need to defer an examination must furnish valid support for the request. If the deferred examination is granted, a grade of "I" will be assigned. If the instructor is unavailable, the student should seek assistance from the instructor's department chair or dean in contacting the faculty member before the end of the final exam week.

## **Other Institutional Assessments**

As part of Fayetteville State University's comprehensive efforts to assess its programs and services, students may be required to complete other examinations and/or surveys. The purpose of these surveys is to guide improvement of the university. Results of examinations and survey responses are confidential.

## Credit by Examination

Fayetteville State University recognizes four types of examination programs for which students may receive credit toward baccalaureate degree requirements, provided that all departmental major or minor requirements have been satisfied. These examination programs include the awarding of credit for successfully passing approved examinations, subject to the following conditions:

- Credit will not be awarded when equivalent degree credit has been granted for regular course work.
- Credit will not be awarded for any course in which a student has previously earned a failing grade.
- Duplicate credit will not be awarded for overlapping tests, i.e., CLEP and AP.
- The total number of credits by examinations that a student may earn, whether the exams are internally or externally developed, is thirty (30).
- Students may not attempt credit by examinations after earning (90) semester hours of study at the university.
- Credit by examination may not be attempted if the student has acceptable college credit for more advanced courses, or for courses whose content includes material similar to a course for which college credit has already been received. Exceptions can be made for students who are proficient in a language other than English to earn up to 12 credits through credit by examination with the consent of World Language faculty.

## Advanced Placement Program (AP)

Many high schools offer advanced classes to superior students in conjunction with the Advanced Placement Program of the College Entrance Examination Board. The university awards college credits in most areas for scores of 3 (good), 4 (high honors), or 5 (high honors). To be eligible for credit, students must request the College Board to send an official score report to the Office of Admissions for review.

## College Level Exam Program (CLEP)

The following College Level Exam Program tests may be substituted for college credit, subject to the achievement of specified scores and the fulfillment of conditions stated in the policy on credit by examination outlined above and in the policy brochure available in University Testing Services. Students may not apply for College Level Exam credits for courses they have audited.

**CLEP General Exams** are offered in the following areas: English Composition, Humanities, Mathematics, Natural Sciences, Social Sciences, and History.

**CLEP Subject Exams** are offered in the following areas: Composition and Literature, Foreign Languages, History and Social Sciences, Business, Mathematics and Science.

## DANTES Subject Standardized Tests

Fayetteville State University participates in the DANTES (Defense Activity for Non-Traditional Education Support) program. DANTES tests, similar to CLEP tests, offer students opportunities to earn degree credits for work and life experiences. This examination program provides opportunities for students to gain college admission, earn academic credit, and obtain professional certification, as well as to identify their interests and

aptitudes for purposes of educational counseling. DANTES tests are administered through the University Testing Services by appointment only.

## **Challenge Examinations**

The university recognizes that exceptional students, by means of special studies or experiences, may already have achieved the objectives of certain courses in the core curriculum; therefore, students may petition to receive credit in selected courses by special departmentally approved examinations referred to as challenge examinations. Credit and a grade of "P" (pass) will be awarded to those who pass the challenge examination. Students may attempt a challenge examination only once per course. Students may not apply for challenge examination credits for courses they have audited, or for lower level courses when credit is received for higher numbered or subsequent courses in the same field or for lower level courses in the same field when the student is currently enrolled in higher number courses. Exceptions can be made for students who are proficient in a language other than English to earn up to 6 credits through credit by examination with the consent of World Language faculty. However, the exception does not apply to the auditing courses statement. Permission for challenge examination will be given only when there is evidence the student has gained a fundamental knowledge of the subject through prior preparation or experience. Candidates for the baccalaureate degree may earn no more than nine credit hours by challenge examinations. A passed challenge exam will be recorded as earned institutional credit with a grade of "P" (pass) on the student's transcript. A \$30.00 fee is required per challenge exam.

## **Procedures for Requesting Credit by Examination**

Students interested in pursuing credit by examination should complete the Request for Credit by Exam form and obtain approval from their respective advisor, department chair or the Dean of University College (for students without a declared major), and the Registrar. After receiving all approvals, the student's request will be forwarded to University Testing Services, which will administer the exam. For the Challenge Exams, the department chair is responsible for ensuring the exam results are forwarded to the Office of the Registrar using the Grade Submission Form and providing a copy of the exam.

For detailed information about these programs, call or visit University Testing Services, 134 Collins Administration Building, Fayetteville, NC 28301, (910) 672-1301.

## **Extension Grade Policy**

An Extension Grade may be assigned in lieu of a final grade of D or F for undergraduate students taking any course in which the university provides a structured program of academic support. The Extension Grade may only be used the first time a student takes the course at Fayetteville State University.

The Extension Grade will be designated as "EX-D" or as "EX-F" and is not calculated into the student's Grade Point Average but will remain on the student's transcript. Any student requesting an Extension Grade must sign an Extension Grade Contract not later than the end of the fifth week of the semester, not later than the end of the first week of each summer term, or not later than the end of the second week of an eight-week term. The Extension Grade Contract will specify the course and section, the nature and duration of the academic support, and the individual or office that will verify completion of the academic support. An Extension Grade Contract must require at least 10 hours of academic support.

To be eligible for the Extension Grade, a student must complete all requirements for the course and all requirements of academic support services. The instructor will certify completion of the course requirements, and a representative of the appropriate academic support unit will verify completion of academic support requirements. When a student receives an Extension Grade, the student must re-enroll for the course in the next semester that the student matriculates at the university. If the student does not re-enroll in the course, the Extension Grade will revert to the original grade of D or F and will be calculated into the student's Grade Point Average.

## **The Family Educational Rights and Privacy Act of 1974 (The Buckley Amendment)**

The Family Educational Rights and Privacy Act of 1974 (FERPA), also known as the Buckley Amendment, guarantees certain rights to students and qualified parents regarding a student's education records. Fayetteville State University adheres to those statutory rights and has implemented this policy in order to comply. Specifically, students are afforded the following rights with respect to their educational records:

- The right to inspect and review the student's educational records;
- The right to consent to disclosure of the student's education records to third parties, except to the extent that FERPA authorizes disclosure without consent;
- The right to request amendment of the student's education records to ensure that they are not inaccurate or misleading;
- The right to be notified annually of the student's privacy rights under FERPA and;
- The right to file a complaint with the U.S. Department of Education concerning alleged failures by FSU to comply with the requirements of FERPA.

FSU will not disclose or release personally identifiable student information in education records or allow access to those records without prior consent of the students, except as provided by FERPA. For more details of this policy, see <https://www.uncfsu.edu/assets/Documents/Office%20of%20Legal%20Affairs/FERPARev%2012-16.pdf>. Such consent must be written, signed and dated, and must specify the records to be disclosed, the party to whom the records are to be disclosed, and the purpose of the disclosure.

To consent to disclosure or release of student educational records to a specific individual, see <https://www.uncfsu.edu/faculty-and-staff/departments-and-offices/office-of-the-registrar/ferpa>.

## **Grade Appeals**

If a student thinks that a final grade is inaccurate, he or she should first consult with the faculty member who awarded the grade. The university expects the majority of grade appeals to be resolved by the student and instructor. If the instructor agrees to change the student's grade, the instructor must submit a grade change form for approval by the Department Chair, Dean, and Provost and Vice Chancellor for Academic Affairs. If these informal efforts are unsuccessful in resolving the student's concern, the student may initiate a formal grade appeal.

The formal grade appeal must include documentation that one or more of the following occurred: 1) the instructor made an error in calculating the final grade; 2) the final grade was based on criteria and/or standards at variance with the course syllabus; and/or 3) the final grade was based on factors other than student achievement/performance. Failure to address one or more of these three reasons is a basis for rejection of that



appeal. Students must recognize that they bear the burden of proof in the grade appeal process and that a grade appeal will not be successful without appropriate documentation.

The student must submit the written appeal, with documentation, first to the instructor. If the instructor rejects the appeal, the student may submit the appeal to the instructor's department chair. If the department chair rejects the appeal, the student may submit the appeal to the dean of the college/school of the instructor. If the dean rejects the appeal, the student may submit the appeal to the Provost and Vice Chancellor for Academic Affairs. If the department chair or dean supports a grade appeal, he or she will forward to the next administrative level for review. The grade appeal will be considered at each administrative level only after it has been reviewed at all previous levels. To ensure review of appeals at each level, each respondent to the appeal will send a copy of the response to next higher review, i.e., faculty will send copy to department chair, department chair to dean, and dean to provost. The department chair and dean will respond to the grade appeal either by upholding the original grade or working with the faculty member (and, in the case of the dean, with the chair) to propose a means of re-evaluating the student's final grade. The chair and dean do not have the authority to change a student's grade.

If the student submits the written appeal to the Provost and Vice Chancellor for Academic Appeals, the appeal will be submitted for review to the Academic Credits Committee, which is comprised exclusively of faculty members. If the appeal is based on grounds other than the three specified above, the Academic Credits Committee will reject the appeal without further review. If the appeal is based on one of three grounds specified above, the committee will discuss the appeal with the instructor and the student and, after a careful review of all relevant information, recommend either that the original grade be upheld or that a new grade be awarded. If the committee upholds the original grade, the student will be informed in writing of the decision of the committee. If the committee recommends a new grade and the recommendation is approved by the Provost and Vice Chancellor for Academic Affairs, the committee's recommendation will be forwarded to the Registrar, with a copy to the faculty member, for notation on the student's record. A complete record of the grade appeal process will be placed in the student's permanent file.

The decision of the Provost and Vice Chancellor for Academic Affairs regarding a grade appeal is final and may not be appealed further.

## **Timeline for Formal Grade Appeal Process**

Students must initiate the formal grade appeal process no later than the 20th day of class in the next fall or spring semester after the contested grade was received. Grade appeals submitted after this deadline will not be considered. Grade appeals will be resolved before end of the semester in which they are submitted. Grade appeals are not considered during the summer.

Graduating seniors who initiate a formal grade appeal in the same semester that they plan to graduate should be aware that the grade appeal will very likely NOT be resolved in time for graduation clearance.

## **Grades**

### **Midterm Grades**

Midterm grades provide an assessment of student progress in courses during the first half of the semester. Students earning a midterm grade of D or F in a class must take corrective action to improve their academic status. All faculty teaching undergraduate courses in a fall and/ or spring semester are required to post midterm

grades for all students. All students are required to review their midterm grades using their online accounts. Midterm grades are not required in summer terms.

## Final Grades

Final grades are calculated on a four-point system and affect a student's grade point average as indicated below. Faculty members will delineate in each class syllabus the methods and evaluative criteria for determining final grades in the class. All students are required to review their final grades using their online accounts.

### Grades and Definitions

Grade	Credit Hours	Quality Points	Meaning
A	Hours attempted and earned	4 per credit hour;	Exceptionally high
B	Hours attempted and earned	3 per credit hour	Good
C	Hours attempted and earned	2 per credit hour	Satisfactory
D	Hours attempted and earned	1 per credit hour	Marginally passing
F	Hours attempted – Not earned	0 per credit hour	Failing. Faculty must enter the last date of attendance as the date the student last interacted with the class.
W	Hours attempted – Not earned	No impact on GPA. Students are permitted a maximum of 16 credit hours of class withdrawals during their academic career. Beyond this limit, students must earn a final grade of A,B,C,D,F, or FN.	Class withdrawal prior to deadline (see Academic Calendars)
P	Hours attempted and	No impact on	Satisfactory - Assigned only in classes specified as Pass/Fail

	earned	GPA	
WU	Hours attempted – Not earned	No impact on GPA; however, may have financial implications	Withdrawal from all classes for semester or term
WX	Hours attempted – Not earned	No impact on GPA; however, may have other financial implications	Withdrawal for extenuating circumstances
AU	Hours attempted – Not earned	No impact on GPA	Auditing

## Grade Point Average (GPA)

At the end of each semester and summer session a grade point average is calculated for each student for the current term and for the student's entire career. The current GPA is based exclusively on the courses in which the student is enrolled for that specific term, while the cumulative GPA is based on all courses the student has completed at Fayetteville State University. The GPA is based on the following formula:

$$\text{GPA} = \frac{\text{Total Quality Points}}{\text{Total GPA Hours}}$$

Total GPA Hours

Your grade point average (GPA) is calculated by dividing the total number of quality points by the total number of credits earned. Specifically, "Total Quality Points" are computed by multiplying the grade by the number of credit hours earned (GPA hours) for each course and then adding the quality points. "Credit Hours Earned (GPA Hours)" refers to the credit hours for courses in which a student earned a final letter grade of A, B, C, D, or F. Withdrawals from the university and incompletes do not affect a student's GPA hours; however, courses with a grade of F and/or FN are calculated into the GPA. Letter grades are assigned the following grade point values:

A=4

B=3

C=2

D=1

F=0

FN=0

The following example demonstrates the calculation of the GPA:

Course	Grade	Credit Hours	GPA Hours	Quality Points
ENGL 110	B (3)	3	3	3 X 3 = 9
UNIV 202	C (2)	1	1	2 X 1 = 2
MATH 131	A (4)	3	3	4 X 3 = 12
HEED 112	B (3)	2	2	3 X 2 = 6
NSCI 110	B (3)	4	4	3 X 4 = 12
PHIL 110	F (0)	3	3	0 X 3 = 0
TOTALS			16	41
<b>GPA: 41/16 = 2.563</b>				

A student's career or cumulative GPA is calculated by dividing the total number of quality points earned by the total number of course credit hours earned (GPA hours) in all of the semesters of the student's enrollment at Fayetteville State University.

## Graduation with Distinction

Graduation distinctions are awarded based on final cumulative statistics. To be eligible to graduate with honors, baccalaureate students must have completed a minimum of sixty (60) earned hours at Fayetteville State University.

Baccalaureate graduates may be awarded with the following honors:

*Summa Cum Laude:* to those having a scholastic average of 3.800 - 4.000

*Magna Cum Laude:* to those having a scholastic average of 3.500 - 3.799

*Cum Laude:* to those having a scholastic average of 3.200 - 3.499

Students will be recognized for graduation with distinction at commencement exercises based on their grade point average when they are cleared for participating in commencement exercises. Graduation with distinction will be recognized on the final transcript and diploma on the basis of the complete academic record.

## Incomplete Grades

The grade of "I" may be assigned only when a student has maintained a passing average but for reasons beyond his or her control, is unable to complete a specific course requirement such as a report, field experience, experiment, or examination. An Incomplete Grade may not be assigned to students who have failed to fulfill multiple requirements in a class.

The final grade for an assigned incomplete grade must be submitted by the date final grades are due for all students of the next regular (fall or spring) semester immediately following the semester or term in which the

incomplete grade was assigned. If the final grade is not submitted within the required time, the grade will convert to "F." See the "Academic Calendar" for dates.

## **Incomplete Grades for Students Who Miss Final Exams**

A student not present at an officially scheduled final exam may only be assigned an Incomplete grade if he/ she contacts the instructor of the course before the end of the final exam week to request a deferred final examination. Students who need to defer an examination must furnish valid support for the request. If the faculty member approves the deferred examination, a grade of "I" will be assigned.

Students whose requests for deferred exams are not granted or who miss final exams without contacting the instructor before the end of the final exam week are not eligible to receive an Incomplete Grade.

## **Independent Study**

Independent Study is an individualized, carefully planned, and closely monitored study experience in which a student works under the direct supervision of a faculty member. Permission to pursue independent study will be granted only under the following conditions:

- The student is in his/her senior year of study
- Course credit may not be earned through other regular courses offerings
- The duration of the independent study is at least eight weeks
- The faculty member affirms that the learning outcomes, assessments, and grading criteria for the independent study are equivalent to similar courses as regularly offered

A student may complete no more than one independent study per semester or term. A Request for Independent Study form—with a list of assignments, deadlines for completion, types of assessments, and grading criteria—must be approved by the faculty member who will teach the class and by the department chair and dean of the school/college in which the class is offered.

A course scheduled in a regular class format (whether fact to face, online, or hybrid) may not be delivered as an Independent Study without being approved by the process outlined above.

## **An Individual Course that Fulfills Dual Requirements**

In some instances, an individual course may fulfill requirements of both the core curriculum and the major requirements, and, in cases of students pursuing a double major or a second baccalaureate degree, two different programs. Credit hours, however, are awarded only once per course. Hence, when a student uses a single course to fulfill dual requirements, he or she will usually need to complete additional electives to ensure completion of the minimum credit hours required by the degree program.

## **Licensure Programs**

### **Nursing**

The National Council Licensure Examination (NCLEX) is a nationwide examination for the licensing of nurses in the United States. After graduation from Fayetteville State University's School of nursing, students are

required to take the NCLEX exam to receive a nursing license. A nursing license gives an individual the permission to practice nursing.

## **Education**

Teacher licensure is a state responsibility. The North Carolina state legislature creates laws that become State Board of Education policies and requirements for those desiring to teach. The requirements are a four-year degree from an educator preparation program approved by the State Department of Public Instruction after reviewing results from nationally published examinations and state requirements. The examinations vary according to teaching discipline and level. The current tests include Praxis I, Praxis II, Foundations of Reading, Content Knowledge in Math, and edTPA. The Fayetteville State University College of Education also participates in national reviews by the Council for the Accreditation of Educator Preparation which allows FSU graduates to be eligible for reciprocity with other states.

## **Major**

**Degree seeking** students must complete all requirements of a major field of study within a department (a unit within a college representing a discipline), including all correlative requirements such as a minor, concentration, certificate, or track. A major represents a degree-seeking student's primary field of study. A major is an approved structured plan of study requiring a minimum of 27 credit hours within the discipline. It must be feasible for students to complete total degree requirements within 120 credit hours. Programs that exceed 120 hours may petition to have an exception approved by its board of trustees.

Admission to the university does not guarantee admission to a specific degree program. Therefore, students must use the "Declaration of Major" form on the university website to request admission to a degree program. Students cannot declare the same program for their major and minor.

Students who enter the university as first-time freshmen are required to declare a major in the second semester of their freshman year if they meet the admission requirements of their intended major. Transfer students must declare a major in their first semester of enrollment. If the department chair accepts a student into a degree program, the department chair will assign an advisor to the student. If students select a major and do not meet the admission requirements for the major, the department may recommend a pre-major category. The department must notify the student of the pre-major and the requirements to be accepted into the major.

A student wishing to change his or her major after officially declaring a major should recognize that the hours completed for the initial major may not be applicable to the new major, which may delay the student's progress toward graduation. Hence, students should take advantage of the educational guidance offered by advisors, administrative officers, the catalog, and the online degree evaluation program, before changing majors. To change a major, the student must complete the online change of major form. The chair of the department of the new major will assign the student an advisor.

All degree-seeking students are required to declare a major. Students with no officially declared major cannot graduate.

Special visiting students cannot declare a major. Special visiting students must contact the Office of Admissions for steps to change their status to degree-seeking in order to declare a major. Special visiting students are not eligible for financial aid.

## **Military Affiliated Services**

The Office of Military Affiliated Services, which consists of the Fort Bragg Center and the Student Veterans Center, is a knowledgeable resource for service members and veterans. We help those who serve achieve their academic goals. Services provided include the following: military and veteran benefit counseling to help each student through the process of requesting tuition assistance and veteran's benefits; processing and follow-through with government agencies; and assistance when military deployment, temporary duty, and permanent change of station orders present a challenge to academic progress.

The Office of Military Affiliated Services collaborates with military and veteran organizations to offer a wide variety of military and veteran supportive programs, including GoArmyEd; Air Force, Navy, and Marines Tuition Assistance; and the MYCAA Program. In the Broadwell College of Business and Economics, the MBA program participates in the Department of Veterans Affairs Yellow Ribbon Program.

Students interested in any of the services mentioned above can contact the Office of Military Affiliated Services by email ([veterans@uncfsu.edu](mailto:veterans@uncfsu.edu)).

## **Minor**

A minor represents an optional, secondary field of study for a degree-seeking student; no student may declare a major and a minor in the same discipline. A minor is a structured plan of study requiring a maximum of 6 courses. A minor is earned in conjunction with a degree in a degree program. Some minors are interdisciplinary, drawing on courses from a number of different disciplines. If necessary, a justification can be submitted to adjust the maximum number of courses for a minor.

## **Pre-Majors**

Pre-majors are designations for students who intend to declare a major but who do not yet meet the admission requirements for that major. All degree-seeking students are placed upon admission in the pre-major corresponding to the first major indicated on their application for admission. Pre-majors are assigned an advisor in the major. Students may change their pre-major by completing the Change of Major form on the university website. Some pre-majors have requirements for remaining in the pre-major. These requirements can be found on the appropriate Program of Study page of the Catalog.

Pre-majors are not majors. Students can only graduate with a declared major. Some majors require admission to the major before students can take advanced courses in the major. Placement in a pre-major guarantees admission to at least one corresponding major once all major admission requirements are met. However, placement in a pre-major may not guarantee admission to all corresponding majors within that category. Students can apply to change from pre-major to major by completing the Change of Major form on the university website. Students are encouraged to declare a major in the first semester in which they meet the admission requirements for that major. Students must be in a declared major to apply for graduation.

## **Refunds of Tuition and Fees**

To be eligible for a refund of tuition and fees, a student must withdraw from **all** of the classes in which he or she is enrolled. Students who withdraw from the university **may** be eligible for a partial refund of tuition and fees, depending on the date of the completion of the official withdrawal process.

## Registration

Students are responsible for registering for classes according to procedures and deadlines established by the University. The classes in which a student is registered at the close of the official registration period constitute the student's official schedule and course load. Tuition and fees are based on the student's total hours of enrollment at the close of the official registration period.

Attending a class does not constitute official enrollment in that class. Students will not receive credit or a grade for any class in which they are not officially enrolled. Therefore, students must ensure that they are officially registered for the classes they attend.

Failure to attend class does not constitute official withdrawal from that class. Students are responsible for initiating the class withdrawal process if they wish to discontinue enrollment in a class.

Financial aid will be canceled for any class(es) that a student does not attend.

## Release of Directory Information

Unless a student requests in writing to the contrary, FSU is permitted to release directory information without consent. FSU recognizes the following as directory information: a student's name, local and permanent address, email address, telephone number, enrollment status (undergraduate, graduate, full-time or part-time), date and place of birth, major field of study, dates of attendance, honors, degrees and awards (including scholarships) received, participation in officially recognized activities/organizations and sports, weight and height of members of athletic teams, and the most recent previous educational agency or institution attended.

Under FERPA, a student has the right to request that the disclosure of directory information be withheld as long as the student is enrolled at FSU. If a student wishes to have his or her directory information withheld, the student should submit a written request to the Office of the Registrar by completing the Request for Non-Disclosure of Directory Information form ([https://www.uncfsu.edu/assets/Documents/nondisclosure\(0\).pdf](https://www.uncfsu.edu/assets/Documents/nondisclosure(0).pdf)). Directory information may be released without permission for students no longer enrolled at FSU unless that student, at his/her last opportunity as a student, requested otherwise.

A student or parent may not use the right to opt out of directory information disclosure to prevent FSU from disclosing or from requiring a student to disclose the student's name, identifier, or institutional e-mail address in a class in which the student is enrolled.

A copy of complete FERPA policies and procedures may be obtained online.

## Requirements for a Double Major and/or Dual Degree

A student may earn a degree in two different academic disciplines with the permission of the department chairs of both areas and if all requirements of both majors are fulfilled. Students are not permitted to combine the requirements of two or more catalogs. However, double or dual majors can use separate catalogs to meet degree requirements if the second declared major was not in existence at the time of the initial declared major. A diploma will be issued for each major. Students are not permitted to pursue an undergraduate and graduate degree at the same time.



## Requirements for Dual/ Multiple Concentrations

A student may earn dual or multiple concentrations within the same major, where applicable, with the permission of the department chair and if all requirements of all concentrations are fulfilled. Students are not permitted to combine the requirements of two or more catalogs. Classes may count toward requirements in more than one concentration but will be counted only once for GPA purposes. Only one diploma will be issued for the said major. The academic transcript will indicate all concentrations. Students are not permitted to pursue undergraduate and graduate concentrations at the same time.

## Requirements for Graduation

To be eligible for graduation, a student must:

- Be admitted as a degree-seeking student. Special Visiting students are not eligible to earn a degree.
- Complete the online Declaration of Major form. Pre-major students and students who have not declared a major cannot earn a degree.
- Complete all requirements of the major degree program, to include the University Core, the minimum number of earned credit hours, and the minimum cumulative GPA required for the degree program. No student will be awarded a degree without having earned at least 120 hours and a minimum cumulative GPA of 2.0. Some programs require a higher GPA and additional hours. See degree program information for specific requirements.
- Complete a minimum of 25% of the total earned credit hours required for the degree program curriculum in residence at Fayetteville State University. Depending on the degree program, the minimum requirement will range from 30 to 33 hours.
- Earn the minimum required Grade Point Average for courses in the major. Some programs require a minimum GPA of 2.0 in the major, while others require a minimum grade of "C" in all major courses. See degree program for specific requirements.
- Complete the Graduating Senior Assessment (see Examinations and Assessments)

Students must check their official FSU student email account on a regular basis for updates on their graduation status. Students must maintain contact with their academic department and/or advisor to ensure that all necessary documents are completed and all graduation requirements are met. Requirements are considered complete only when appropriate documentation is received by the Office of the Registrar.

Students are subject to the institutional regulations in effect when they apply for graduation. Changes in institutional regulations may change the graduation requirements specified above. Hence, students are encouraged to know the institutional regulations in effect at the time of their anticipated graduation. Once a degree is conferred, the academic record is closed and therefore no changes may be made relevant to that particular program.

## Requirements for a Second Baccalaureate Degree

A student who has already earned a baccalaureate degree from Fayetteville State University may earn a second baccalaureate degree by fulfilling all the requirements of the second degree, including the current core curriculum requirements, and completing a minimum of thirty (30) credits beyond the requirements of the first degree.

## Scholastic Standards

Students must earn a minimum cumulative GPA of 2.0, a minimum term GPA of 2.0, and meet the threshold for Satisfactory Academic Progress (earning at least 67% of the hours that they have attempted) to maintain good academic standing. Students who fall below the 67% threshold for Satisfactory Academic Progress and/or whose term GPAs fall below 2.0 will receive a status of Good Standing with Warning. Meeting these standards does not guarantee financial aid eligibility. See Financial Aid, "Satisfactory Academic Progress". The university will evaluate students for satisfactory academic progress at the end of the fall and spring semesters. The student's academic status will be noted on the student's transcript. Students are responsible for remaining aware of their academic status.

Status	GPA	Consequences
Good Standing	2.0 or higher	Students eligible for continued enrollment and may be eligible for financial aid (see Financial Aid, "Satisfactory Academic Progress").
Probation	Cumulative GPA below 2.0 at the end of the fall semester	Students eligible for continued enrollment and may be eligible for financial aid to achieve good standing (see Financial Aid, "Satisfactory Academic Progress"). Students on probation will not be permitted to register without meeting with their officially assigned advisor and preparing an Academic Success Plan. Student's enrollment is limited to 14 hours. (Students on probation will sometimes be advised to delay subsequent enrollment to resolve the problems causing poor performance.)
Suspension	Cumulative GPA below 2.0 at the end of the spring semester	Students ineligible for continued enrollment and ineligible for financial aid unless suspension is successfully appealed. Students who successfully appeal suspension will be reinstated and required to participate in the Student Success Program. Students who are suspended a second time will be permitted to re-enroll if they improve their status in summer school or participate in Academic Fresh Start.

**Academic Suspension** – If a student's GPA is below 2.0 at the end of the spring semester, the student will be placed on academic suspension and the student must successfully appeal for continued enrollment and financial aid eligibility.

If a student's GPA is below 2.0 for the second time at the end of the spring semester, the student will be placed on academic suspension, will not be eligible for financial aid, and will not be permitted to re-enroll unless the student successfully appeals the academic suspension, attends summer school to improve the GPA, or participates in Academic Fresh Start (see "Academic Regulations" for appeal procedures).

A student who has a cumulative GPA below 2.0 and withdraws from the university during the spring semester will be evaluated for continuous enrollment according to the guidelines above. In these instances, withdrawing from the university can have an adverse effect.

**Academic Probation** – Students who fail to maintain a cumulative GPA of at least 2.0 at the end of the fall semester will be placed on Academic Probation and will be permitted to enroll in a maximum of 14 credits for the subsequent semester. Students on probation will be required to complete an Academic Success Plan with their advisors.

**Academic Eligibility for Co- and Extra-Curricular Activities** -- Students who meet academic eligibility requirements for participation in student organizations in the fall semester will retain their eligibility in the spring semester, unless specified otherwise by the constitution, guidelines, and/or contracts of the organization.

## **Senior Enrollment for Graduate Level Courses**

An undergraduate student will be permitted to enroll in 500-level classes if he/she meets the following stipulations:

- has a senior classification;
- has a G.P.A. of 3.0 or higher;
- obtains approval from his/her advisor and department chair;
- consults the instructor of the course(s) in which the student seeks to enroll to ensure its appropriateness; and
- enrolls in a maximum of fifteen credits per semester (of which no more than six may be graduate credits) or a maximum of six hours in a summer session (of which no more than three may be graduate credits.)

Students are not permitted to pursue an undergraduate and graduate degree at the same time. Graduate credits earned by undergraduate students may subsequently be counted toward a graduate degree only if the credits were not used to fulfill undergraduate requirements.

## **Study at Another Institution**

Students in residence at the university who wish to earn credits at another institution must obtain pre-approval for the courses to be completed. In the absence of such pre-approval, credits earned at other institutions may not be used to fulfill FSU degree requirements. To obtain approval for study at another institution, students must consult their department chair to ensure the course will transfer. Once the course is completed, the student must submit the official transcript to the Office of the Registrar.

Credit will be awarded only for courses in which students earn a grade of C (2.0) or higher. Since grades earned at other institutions do not affect the FSU GPA, students seeking to improve their GPAs should not pursue study at other institutions.

## **Time to Degree**

Students can complete a 120-hour undergraduate degree program in eight semesters of 15 hours each. Students completing programs with more than 120 hours will have to take additional hours per semester to complete the program in 8 semesters. Changing majors, withdrawing from, dropping, or failing courses, enrolling in fewer than 15 hours and/or receiving Ds in major area coursework will extend the length of time to complete a degree and may affect financial aid eligibility. Degree requirements remain in effect for six years for students who maintain continuous enrollment from the date of their initial enrollment at the university.

## **Track**

A program track is designed to provide a degree pathway for students who have prior educational experience in a chosen program separate from students without prior educational experience. There are typically two (or

more) independent pathways/tracks of study in a department or program that prepare students for the same degree.

## **Transcript Request Policy**

Students may request transcripts through the National Student Clearinghouse for the required processing fee. For more details, visit the Office of the Registrar's website at <https://www.uncfsu.edu/faculty-and-staff/departments-and-offices/office-of-the-registrar/student-resources>. Students who request transcripts using the mail-in or walk-in method will be charged \$10.00 per transcript. Faxed requests are not accepted. Transcripts are released only when the student's account is paid in full and loan payments are current. Requests for transcripts can be mailed to:

Office of the Registrar  
Lilly Building, 3rd Floor  
Fayetteville State University  
1200 Murchison Road  
Fayetteville, NC 28301-4298  
Phone: 910-672-1185

Students who request to pick up a transcript will be assessed \$10.00 per transcript. The transcript will be addressed to the student and the envelope labeled "Released to Student." Transcripts are not available on demand.

## **Indebtedness to the University**

All indebtedness to the university must be satisfactorily settled before a transcript of record will be issued.

## **Change of Name and Address**

Students should notify the Office of the Registrar of any change in name or mailing address. Legal documentation is required for name changes.

A student's official name as recorded in university records during the period of attendance will appear on the diploma.

## **Withdrawal from the University**

Before deciding to withdraw from the university, a student must consult with his or her advisor to discuss the reasons for the withdrawal and the student's plan for continuing his or her education. The student can then begin the official university withdrawal process by submitting the online University Withdrawal form. Students who are under 18 years of age must have the approval of a parent or guardian before withdrawing from the university. The official date of withdrawal (for purposes of computing charges and grades) will be the date the student submits the online form. The university will not make any refund of tuition/ fees or room and board charges until four (4) weeks after the student completes the official withdrawal process. All refunds will be made by the method selected by the student for refunds. Students may withdraw from the university until two weeks prior to the beginning of final exams (see Academic Calendars for specific deadlines).

Students seeking to withdraw from the university after the published deadline and who do not meet the criteria for "Withdrawal for Extenuating Circumstances" must make the request, in writing, to the Provost and Vice Chancellor for Academic Affairs. This request must include documentation of unavoidable and unforeseen circumstances that prevented the student from meeting the published deadline. Such requests must be made no later than the end of the next regular semester after the semester for which the university withdrawal is requested.

Students who officially withdraw from the university will receive a WU grade in all of their classes (see "Grades" below). Students who receive WU grades may re-enroll in the next regular semester or summer term without applying for readmission and cannot enroll in the same semester for an 8-week term. Students who seek to withdraw from the university within the deadline but have earned grades in the previous 8-week session will retain those grades. The student will be assigned a WU for the remaining courses.

Hours with a grade of WU count as hours attempted but not completed for the purposes of financial aid. Withdrawal from the University may therefore have an adverse effect on financial aid. In addition, a student who withdraws from the University the semester after being placed on Academic Probation will be considered to have two consecutive semesters below 2.0 for the purposes of calculating academic standing. Withdrawal from the University may therefore have an adverse effect on academic standing as well.

## **Mandatory Withdrawal from the University**

The university reserves the right to request the withdrawal of a student at any time if (1) the student's conduct is judged to be undesirable; (2) the student persistently disregards the regulations of the university; (3) the student fails to maintain an acceptable standard of work; or (4) the student's mental or physical health precludes satisfactory academic progress or becomes detrimental to others.

## **Unofficial Withdrawals**

At the end of each semester, students who were assigned all grades of F, FN, I, or W or a combination are considered unofficially withdrawn from the University.

**Adjustment of Tuition and Financial Aid for Unofficial Withdrawals:** The university's policy and schedule for refunds will be applied to students who unofficially withdraw from the university. Financial aid will be adjusted based on the unofficial withdrawal date, which may result in the requirement for recipients of financial aid to repay all or some of the aid they received for that semester.

## **Withdrawal for Extenuating Circumstances**

Students may withdraw from individual courses or from the university for extenuating circumstances without academic penalty:

- WU will be recorded on the transcript;
- Course(s) count in attempted hours;
- Course(s) do not count in GPA calculations;
- Course(s) will not count toward the withdrawal maximum of 16 hours;
- Course(s) are subject to Title IV regulation (SAP rules and calculations).

Extenuating circumstances include:

- **Military Service Obligation:** Duty on a voluntary or involuntary basis in connection with service in the Armed Forces, Reserves, or National Guard including, but not limited to active duty, active duty for training, initial active duty for training, and inactive duty training.
- **Serious Medical Debilitation of the Student:** Illness, injury, impairment, or physical or mental condition requiring inpatient care in a hospital, hospice, or residential medical care facility.

Documentation required includes:

- **Military Service Obligation:** Verification of the student's voluntary or involuntary basis in connection with service in the Armed Forces, Reserves, or National Guard including, but not limited to, active duty for training, initial active duty for training, and inactive duty training. Acceptable documentation may include, for example, copies of orders, letters from a commanding officer, etc.
- **Serious Medical Debilitation of the Student:** A certificate issued by the treating health care professional(s) stating each of the following:
  1. Approximate date on which the student's condition began;
  2. Extent to which the condition has impacted the student's pursuit of a degree;
  3. Relevant and appropriate medical facts regarding the student's condition.

## Review Process for Course Withdrawal for Extenuating Circumstances

The student will submit a statement and all required documentation to the Center for Personal Development. The statement must include:

- Student name and Banner ID, date of request, names and section numbers of requested course(s) for withdrawal, and detailed reason the student is requesting withdrawal for extenuating circumstances.

The Center for Personal Development will review the request and documentation and forward with a recommendation to the Dean of the College or School and the Office of the Registrar.

If approved by the Dean of the College or School (or designee), the Office of the Registrar will process the withdrawal for extenuating circumstances. If not approved by the Dean of the College or School (or designee), the Dean's office will contact the student and the advisor to determine the best course of action for the student. A student may appeal a denial through the Office of the Provost.

# Admissions

The university seeks to admit undergraduate students whose academic preparation is strong, who desire to succeed, and who are highly motivated academically, professionally, and personally.

## Admissions Procedures

Applications may be accessed online at <http://www.uncfsu.edu/admissions/>. All prospective student applications, regardless of classification, must be accompanied by a **nonrefundable** \$50.00 application fee.\* The application for admission deadline dates are as follows:

## First year and Transfer Students

- June 30 for Fall Semester
- December 1 for Spring Semester
- May 1 for Summer Session I
- June 1 for Summer Session II

## Readmitted and Special Visiting Students

- August 5 for Fall Semester
- December 5 for Spring Semester
- May 15 for Summer Session I
- June 15 for Summer Session II

All applications for admission received after the deadline dates will be considered on a space available basis only. Admission to the university does not guarantee admission to a professional teaching curriculum or any program that has specific requirements. Students are responsible for ensuring that all requested credentials are forwarded to the Office of Admissions prior to registration for the semester for which they wish to enroll.

Falsification of the application or of any academic records will make the applicant ineligible for admission or subject to dismissal if admission has already been granted.

The university accepts applications according to the guidelines outlined below.

*\*With the appropriate documentation, the Office of Admissions will waive the \$50.00 non-refundable application fee for active military applicants. Also, FSU will waive the application fee for readmission students who have been away from the University for only one semester.*

## Early Admission Program

The Early Admission Program provides the opportunity for promising high school students to take college-level courses while enrolled in high school. To be eligible, students must have completed their junior year and have a cumulative grade point average of 3.0 or higher. The applicant must submit a formal application for admission and recommendations from counselors or the principal.

## Minimum Course Requirements

All applicants must meet the following minimum course requirements to be eligible for admission:

- In **English**, four (4) course units emphasizing grammar, composition, and literature.
- In **mathematics**, four (4) course units in any of the following combinations:
  - **Algebra I and II, geometry, and one unit beyond Algebra II, or**
  - **Integrated Math I, II, and III, and one unit beyond Integrated Math III. It is recommended that prospective students take a mathematics course unit in the twelfth grade.**
- In **science**, three (3) course units including at least one unit in a life or **biological science** (for example, biology), at least one unit in a **physical science** (for example, physical science, chemistry, physics), and at least one **laboratory course**;
- In **social studies**, two (2) course units including one unit in **U.S. history**, but an applicant who does not have the unit in U.S. history may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year;
- In **foreign language**, two (2) units of language other than English.

Applicants who graduated prior to 2006 may be exempt from the 4th unit mathematics requirement.

Applicants who graduated prior to 2004 may be exempt from the 2-year foreign language requirement.

Applicants who are at least 21 years of age may be exempted from the UNC Minimum Course Requirements.

Course units as defined in these requirements may include those high school-level courses taken and passed by an applicant after graduating from high school, as well as those taken while enrolled as a high school student.

## First-Year Students

A first-year student is defined as any applicant who has not taken any college-level coursework **after completing high school**. Fayetteville State University seeks to admit students whose academic preparation is strong, who desire to succeed, and who are highly motivated academically, professionally, and personally.

In reaching admissions decisions the following information is considered: overall academic performance and grades, curriculum, rank in class (if available), standardized test scores and, if provided, a writing sample. While letters of recommendation are not required, they provide additional information regarding the applicant's accomplishments. The university's Admissions Office implements the established academic policies and requirements that define the necessary qualifications and credentials for admission.

In addition to meeting the minimum course requirements listed above, applicants must provide or meet the following requirements:

- Graduate from an accredited high school or its equivalent. (A high school equivalency certificate or G.E.D may be submitted in lieu of a high school diploma).
- Submit an official copy of the high school transcript showing grades earned through the junior year, courses in progress in the senior year, rank in class (if available) and a cumulative grade point average.
- Must meet the minimum grade point average requirement as established by the university.\*
- Some programs may require an essay.
- A passing score on all sections of the North Carolina Competency Examination.



- If you are claiming North Carolina residency, you must complete the Residency Determination Services process. This includes active military members stationed in North Carolina or their spouses and dependents.

Decisions will also be rendered based on the average profile. Students may be admitted to the university with a higher or lower profile.

**\*2019 Average GPA 3.27 (weighted).**

## Transfer Students

A transfer student is defined as any applicant who enrolled in an accepted accredited college or university after graduating from high school.\* All qualified transfer applicants for undergraduate admission should meet the following standards:

- Transfer applicants must be eligible to return to the last institution in which they are enrolled.
- Transfer applicants must at least have a cumulative 2.0 GPA or higher.
- Transfer applicants who have earned less than twenty-four (24) transferable credits must meet all first-time student requirements. However, transfer students may be exempt from first time student requirements (high school transcripts, standardized test scores and high school courses) who fall into one of the following categories:
  1. Applicants who were awarded the high school diploma prior to 1988 and/or are at least twenty-one (21) years of age.
  2. Applicants who have earned an associate of arts or associate of science.
  3. Applicants who have completed at least twenty-four (24) transferable credits.
- Submit an official transcript from each accepted accredited college or university attended.\* (Send directly to the Office of Admissions from the Registrar's Office of the previous institutions attended).
- Submit military records (if applicable).

## Acceptance of Transfer Credits

Transfer student transcripts will be evaluated based on the following guidelines:

- All transfer credits for courses that can be applied to any FSU degree program and in which a student earned a grade equivalent to 2.0 or higher will be accepted. Students may appeal exclusions of transfer credits within one year of enrollment. Appeals should be directed to the appropriate academic department.
- Full credit will be awarded only for courses in which a grade equivalent to 2.0 or higher was earned and are non-remedial or non-developmental.
- Transfer credits will be used to fulfill program requirements or as electives at the discretion of the appropriate department chair and dean.
- Credentials for transfer students will be officially evaluated only after an applicant has been accepted and all official transcript(s) have been received.
- Grades transferred from other accepted accredited institution(s) are not considered in computing the grade point average at Fayetteville State University except for courses completed as part of the University of North Carolina Language Exchange.\*
- No more than 64 hours of credit will be awarded for credits earned at a two-year institution unless otherwise authorized by a specific dual enrollment or articulation agreement.

The North Carolina Comprehensive Articulation Agreement (CAA) between the University of North Carolina System and North Carolina Community College System takes precedence over bilateral articulation agreements previously established between Fayetteville State University and North Carolina Community Colleges. The university will accept transfer credits in accordance with the CAA relative to the General Education transfer core; for graduates with the Associate in Arts and Associate in Science degree. Transfer credit for the Fine Arts and Applied Science degree courses, general education core courses for non-graduates, and transfer courses not originated at North Carolina Community Colleges will be awarded on a course-by-course basis according to Section V of the CAA.

## **Transfer from Non-Accredited Institutions or Agencies**

Transfer credits for courses taken from non-accredited institutions or agencies will be accepted on a course-by-course basis at the discretion of the appropriate department chair in consultation with faculty.

## **Credits from Military Schools and Experiences**

Academic departments determine transfer equivalences for military-based credit. Credits for courses from military service schools and for military service experience are based on recommendations published in the *Guide to the Evaluation of Education Experiences in the Armed Services* by the American Council on Education. Students seeking credit for military service experience must provide official documentation (a JST/CCAF transcript) relative to the experience, service school, or military occupational specialties. The Department of Criminal Justice does not accept military credit for CRJC courses but may accept them for free electives.

## **Credit for Basic Health and Physical Education**

Veterans and active duty service members may receive a total of three (3) credit hours for basic health and physical education requirements at the first-year level when a copy of their JST or CCAF has been provided to the Office of Admissions.

## **Readmitted Students**

Students who have not attended the university for **less than** two consecutive semesters, are in good academic standing, have attempted less than 180 credit hours, and have not attended another institution, please visit <http://www.uncfsu.edu/registrar>.

Students who have not attended the university for **two or more** consecutive semesters (fall and spring or spring and fall) must file a complete application with a \$50.00 non-refundable fee and furnish official transcripts from all institutions attended since their last enrollment. Subsequent to readmission, former students must receive clearance from the Office of Business and Finance, Student Affairs, and the Registrar.

Applicants for readmission who had a cumulative grade point average below 2.0 in their last semester of enrollment must successfully complete the appeal process (see "Catalog Policy", in "Academic Rules"). If the appeal is approved, the applicant must submit an application to the Office of Admissions. Applicants who successfully appeal, have been readmitted by the Office of Admissions, and have received clearance from the

Office of Business and Finance, Student Affairs, and the Registrar will be placed in the Student Success Program.

Students suspended more than two times will be permitted to re-enroll only under the provisions of the Academic Fresh Start Policy.

Students readmitted to the university will be subject to the degree requirements in effect at the time of readmission (see "Catalog Policy", in "Academic Rules").

## **Second Degree Seeking Students**

Students who have earned a bachelor's degree from an accredited institution may apply for a second degree by doing the following:

- Submit an application along with a non-refundable \$50.00 application fee to the Office of Admissions.
- Submit official transcript(s) from all previously attended colleges/ universities.
- Select a major field that differs from that of the first degree awarded.

## **Special Visiting Students**

Special Visiting Students are defined as those who are taking courses for reasons other than earning a degree. Special Visiting Students are not eligible to receive financial aid. Also, those applying for Special Visiting Student status are required to submit an application with a non-refundable \$50.00 fee and to furnish one of the following credentials:

- Official high school transcript or equivalency certificate.
- Official transcript of any other accepted accredited university, college, technical institution, junior or community college attended.\*

Applicants accepted as special visiting students must apply for full admission to the university when they earn 30 credits at FSU. However, credit earned as a visiting student cannot be used to establish eligibility for admission to FSU.

## **International Students**

International applicants are students who do not hold United States citizenship or resident alien status. The Office of Admissions requires the following information from an international applicant to be considered for undergraduate admission.

- A completed application form with a non-refundable \$50.00 application fee in U.S. dollars.
- Certified copy of official school transcripts—secondary and/or post-secondary. All freshman applicants are required to submit an official transcript from their secondary school. All foreign academic transcripts must be evaluated by WES or a NACES approved evaluation service and translated into English.
- Official TOEFL (Test of English as a Foreign Language) score report. International English Language Testing System (IELTS) or SAT/ACT as required. The test score report should be no more than two years old.

- Certification of Finances Form completed and signed by bank official, no more than six months old, addressed to Fayetteville State University verifying the availability of funds to cover tuition, fees, and other direct costs associated with enrolling at the university.

## **Residence Status for Tuition Purposes**

**Residency Policy** - In compliance with state law, the University of North Carolina system now requires students to request a residency classification from the new Residency Determination Service (RDS). RDS is the entity responsible for all new classifications of residency in North Carolina. If you claim to be a resident, you must complete the residency process with the Residency Determination Service (RDS) at [www.ncresidency.org](http://www.ncresidency.org). You will receive a Residency Certification Number (RCN) which should either be entered onto your admissions application or provided directly to the Admissions Office when available.

The cut-off date for applying any RDS determination is 30 working days from the campus start of term. New determinations, or any changes to determinations, beyond the 30 day cut-off date would be effective the next enrolling term. This 30-day window will be prorated for sessions shorter than 16 weeks. For sessions shorter than 16 weeks, the cut-off date for applying any RDS determination is five calendar days from the last day of late registration for the term. Persons not meeting the 12-month legal residence requirement may be classified as North Carolina residents for tuition purposes only if they fall within one of the limited "exception" categories authorized by the North Carolina Legislature. All others are ineligible for classification as a North Carolina "resident for tuition purposes" and will be charged out-of-state tuition and not be given consideration for state financial aid. To learn more about residency and complete a determination go to [www.NCresidency.org](http://www.NCresidency.org).

## **Accepted Accrediting Associations**

\*Accepted accrediting associations include the Accrediting Commission for Community and Junior Colleges (ACCJC) Western Association of Schools and Colleges, Higher Learning Commission (HLC), Middle States Commission on Higher Education (MSCHE), New England Commission of Higher Education (NECHE), Northwest Commission on Colleges and Universities (NWCCU), Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), and Western Association of Schools and Colleges (WASC) Senior College and University Commission (WSCUC) or equivalent.

# Expenses

## Tuition and Fees

Rates for tuition and fees are established by the North Carolina General Assembly, the University of North Carolina, the President of the University of North Carolina, and Fayetteville State University. The university reserves the right to change fees and expenses without prior notice to the students or the general public. Prior notification of change will be provided whenever possible.

The tuition and fees include state tuition (in-state and out-of-state rates), activities and service fees, and insurance. Additional charges for room and board are assessed to students who reside on campus. All students who reside on campus are required to purchase a meal plan. Optional meal plans are available to commuting students. In addition to these basic costs, other fees and expenses may be charged to students for special services. A complete list of current tuition, fees, and other expenses is available at the cashier's office or online at <https://www.uncfsu.edu/paying-for-college/tuition-and-fees>.

## Method of Payment

Tuition, fees, and room and board charges are due by the last day of late registration for each semester or term. Payments can be made by cash, cashier's check, personal check, money order, credit or debit card, third-party sponsors, or financial aid. Students planning to use financial aid to pay their bills must meet all financial aid application deadlines to ensure availability of funds at the time of registration. Students with an account balance after the last day of late registration must enroll in the monthly Bronco Payment Plan at [https://secure.touchnet.com/C20078\\_tsa/web/login.jsp](https://secure.touchnet.com/C20078_tsa/web/login.jsp). Just follow the simple steps to enroll. The monthly payment plan is **not** available for summer sessions.

## Military Personnel and Dependents

Any active duty member of the armed services qualifying for admission to Fayetteville State University but not qualifying as a resident for tuition purposes shall be charged the in-state tuition rate and applicable mandatory fees for enrollment while the member of the armed services is abiding in this State incident to active military in North Carolina.

Any dependent relative of a member of the armed forces who is abiding in North Carolina will be eligible to be charged the in-state tuition rate if the dependent relative qualifies for admission to Fayetteville State University. In the event the member of the armed services is reassigned outside the State of North Carolina, the dependent relative shall continue to be eligible to receive in-state tuition and applicable mandatory fees so long as the dependent relative is continuously enrolled in a degree program.

To be eligible for the in-state tuition rate the applicant must submit a military residency application by the deadline established by the Admissions Office.

## Refunds/Adjustments of Tuition and Fees

Refunds and/or adjustments of tuition and fees will be made only to students who withdraw from **all** classes in which they are enrolled for the semester, and who complete the official process for withdrawing from the

university (see next section). **Students who fail to complete the official withdrawal process will not be eligible for any refund or adjustment of tuition, fee, or room and board charges. Ceasing class attendance does not constitute official withdrawal from the university.**

## Official University Withdrawal Procedure

Before deciding to withdraw from the university, a student must consult with his or her advisor to discuss the reasons for the withdrawal and the student's plan for continuing his or her education. The student can then begin the official online university withdrawal process, which is initiated in the Center for Personal Development, located in Room 155 of the Spaulding Infirmary Building. Students who are under 18 years of age must have the approval of a parent or guardian before withdrawing from the university. The official date of withdrawal (for purposes of computing charges and grades) will be the date the student submits the online form. A student is not officially withdrawn from the university unless and until he/she has completed the withdrawal process.

The university will not make any refund of tuition/fees or room and board charges until four (4) weeks after the student completes the official withdrawal process. All refunds will be made by the method selected by the student for refunds (see Academic Calendars for specific deadlines).

Students who officially withdraw from the university will receive a WU grade in all of their classes (see "Grades" below). Students who receive WU grades may re-enroll in the next regular semester or summer term without making application for readmission, but cannot enroll in the same semester for an 8-week term. Students who seek to withdraw from the university within the deadline but have earned grades in the previous 8-week session will retain those grades. The student will be assigned a WU for the remaining courses.

Hours with a grade of WU count as hours attempted but not completed for the purposes of financial aid. Withdrawal from the university may therefore have an adverse effect on financial aid. In addition, a student who withdraws from the university the semester after being placed on Academic Probation will be considered to have two consecutive semesters below 2.0 for the purposes of calculating academic standing. Withdrawal from the university may therefore have an adverse effect on academic standing as well.

The following adjustment schedules are based on the first day that classes officially begin and not when a student actually begins attending classes or completes the registration process.

When a student withdraws, the university uses the schedule below to determine the percentage adjustment that will be made to the students tuition and fee cost. Once the students balance has been adjusted, the amount the student has paid will then be deducted from the student's adjusted balance to determine if the student is due a refund or if there still remains indebtedness to the university.

<b>Withdrawal Adjustment Schedule - All Semesters</b>	
NOTE: Withdrawal from ALL classes (Adjustment includes Room and Board and is based on percentage of semester/ term completion)	
Prior to semester/ term start date to 6.5% complete	100%
6.6% to 13.0% semester/ term completion	90%
13.1% to 19.5% semester/ term completion	75%

19.6% to 26.0% semester/ term completion	50%
26.1% to 32.5% semester/ term completion	25%
32.6% and thereafter	0

Students who do not officially withdraw from the university but stop attending all classes are considered unofficially withdrawn from the university and are responsible for repayment of any financial aid that has been received.

## Refunds/Adjustments for Individual Classes

Tuition and fee adjustments will be made only for courses dropped during the university's designated drop/add periods. A student may complete an individual class withdrawal form after the close of the drop/add period, but no adjustment of tuition and fees will be made for withdrawing from individual classes. The drop/add and withdrawal procedures apply only to students enrolled in more than one class. Students enrolled in only one class who wish to drop or withdraw from that class must go through the official university withdrawal process outlined in the previous section. A full refund of tuition and fees will be made for classes canceled by the university.

## Room/Board Adjustments

A student who submits a housing application and contract is considered a residential student for the (Fall and Spring Semesters) of the academic year and will be charged room and board fees accordingly. Student accounts are not pro-rated or adjusted if you move out after the eighth (8th) week of classes. After the eighth week of classes, the contract holder will be responsible for full payment of the contract amount.

A student may request to be released from his or her housing contract by filling out the Housing Cancellation Request Form. (This form is available via the Department of Housing and Residence Life located in Williams Hall). Cancellations are not automatically approved and should not be interpreted to equate to a room refund or bill adjustment. Appropriate termination charges will be assessed based on the prorated schedule and cancellation fee provided by the Department of Housing and Residence Life.

## Student Medical Insurance

The university requires all undergraduate and graduate students in degree seeking programs who are enrolled in six or more credit hours on the main campus to have medical insurance and provides a medical insurance plan for each student. Medical insurance fees are automatically assessed as part of a student's overall tuition and fees. A student may waive the medical insurance fee for the entire fiscal year by completing an insurance waiver form at the beginning of the fall semester or by completing the waiver form by the last day of posted registration for each semester online only at <http://studentbluenc.com/#/fsu>. **Documentation of proof of insurance is needed to waive the student medical insurance fee.**

## Indebtedness to the University

All indebtedness to the university must be satisfactorily settled before a certificate, diploma, or transcript of record will be issued. A student who is indebted to the university may not be permitted to re-enroll in subsequent terms unless such indebtedness has been satisfied or payment arrangements made. A student who is delinquent in his/her payment of a student education loan is treated as one indebted to the university. Any cost associated with the collection of a past due or delinquent indebtedness will be borne by the student.



# Financial Aid

Fayetteville State University seeks to ensure that qualified students will not be denied the opportunity to attend this university because of a lack of financial resources. The Office of Scholarships and Financial Aid, located on the lower floor of the Lilly Building, provides information and assistance to students applying for financial aid. Inquiries about financial aid should be directed to:

Office of Scholarships and Financial Aid  
Fayetteville State University  
1200 Murchison Road  
Fayetteville, NC 28301-4298  
910- 672-1325  
800-368-4210  
  
finaid@uncfsu.edu

All applicants should be aware that the financial aid application review process is lengthy. Applicants can avoid unnecessary delays in the processing of their applications by submitting all application materials by the published deadlines and making sure that all information provided on the application is correct and complete (this includes, but is not limited to, verification documents, if applicable). Since financial aid funds are limited, students are encouraged to apply for Early FAFSA immediately after October 1.

## Eligibility Criteria

To be eligible to receive financial aid assistance by the Office of Scholarships and Financial Aid, the applicant must:

- Be admitted and currently enrolled in at least half-time status as an undergraduate or graduate student;
- Be enrolled in a degree-seeking program at Fayetteville State University;
- Be a U.S. citizen, permanent resident or eligible non-citizen;
- Make satisfactory academic progress (See "Satisfactory Academic Progress,");
- Not be in default status on any Title IV aid from a previous enrollment period;
- Complete the Free Application for Federal Student Aid (FAFSA) by the priority deadline of January 15.

Eligibility for most financial aid programs administered by the Office of Scholarships and Financial Aid is based on "Financial Eligibility" as demonstrated on the Institution Information Student Report (ISIR). Eligibility need is the difference between the costs to attend college and what the applicant and his or her family can reasonably afford to contribute toward the student's education. Graduate students are eligible for unsubsidized student loans.

**Total Educational Cost - Expected Family Contribution (EFC) (Based on congressional calculation) = Eligibility (Need)**

A student's eligibility for financial aid is determined by the U.S. Department of Education from information provided on the Free Application for Federal Student Aid (FAFSA), which is often referred to as the need

analysis document. A need analysis is a systematic method of measuring the ability of the student to pay for educational costs, and student's eligibility to receive funds from federal, state, institutional, and/or other financial aid programs.

## Deadlines

Students making initial application for aid from federal or state sources, as well as students seeking renewal of financial aid from these sources, must submit completed applications by the priority deadlines below to ensure funding notification prior to the anticipated enrollment period. To be complete, an application must include accurate data and all supporting documentation, including all required materials (to include, but not limited to, verification documents) if the application is selected for verification by the U.S. Department of Education.

Term for which aid is requested	Priority Deadline for FAFSA filing
Academic Year	January 15
Summer School	March 15

To apply for Federal Loans and/or Plus Loans, you must have a completed FAFSA on file by the applicable deadline date.

Term for which loan is requested	Deadline
Fall Semester	October 1
Spring Semester	March 1
Summer Session I	May 1
Summer Session II	June 1
You must complete a Renewal or Early FAFSA each Academic year immediately after October 1	

## Default Policy

Students whose financial aid has been terminated because they have defaulted on a student loan at a previous institution(s) or at Fayetteville State University may become eligible for reinstatement of financial aid when the U.S. Department of Education submits, in writing, to the Office of Scholarships and Financial Aid at Fayetteville State University that the student is "No Longer in Default."

*A student whose default status is cleared by the U.S. Department of Education will be eligible to receive funding for which that student qualifies.*

## Warning to All Financial Aid Applicants

Information provided by applicants may be verified by the university, the state, or by the U.S. Department of Education. Applicants may be asked to provide U.S. Income Tax returns, non-filing documents, untaxed income verification, and other requested documents. Applicants who do not provide these records will not be awarded federal student aid. If federal student aid is awarded based on incorrect information provided on the FAFSA by the student and/or documentation submitted to the Office of Scholarships and Financial Aid, the applicant will have to pay it back, in addition to fines and fees. If an applicant gives false or misleading information on the application, the applicant may be fined up to \$20,000, sent to prison, or both.

## Steps for Applying for Financial Aid

To be eligible for scholarships, grants, work-study, and/or loans, students must complete each of the following steps.

- Complete the Free Application for Federal Student Aid (FAFSA) - This form can be obtained at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). The FAFSA must be filed to determine a student's financial need and eligibility for financial aid at Fayetteville State University.
- Verification - The U.S. Department of Education randomly selects a certain percentage of financial aid applications for verification. Students whose applications are selected for verification will be contacted by CFI School Services (College Foundation Incorporated). If you receive an email from [verification@SSCwp.org](mailto:verification@SSCwp.org) or [echosign.com](http://echosign.com), please respond immediately. For questions regarding the verification process or CFI School Services, please go to [www.SSCwp.org](http://www.SSCwp.org) or call 1-855-328-4400. You will need to submit requested documents. If you do not submit requested documents in a timely manner, your award letter will be delayed.
- Award Letter - When the review process is complete, the student will receive an award letter. The award letter is also available in Banner Self Service. Students who receive an award letter should go to Banner Self Service at [https://ssbprod-fsu.uncecs.edu/pls/FSUPROD/twbkwbis.P\\_WWWLogin](https://ssbprod-fsu.uncecs.edu/pls/FSUPROD/twbkwbis.P_WWWLogin) to accept, reduce, or decline their federal student loans. Loan funds will not pay to student accounts unless they are accepted on Banner Self Service. In Banner, students can view their financial aid status at any time. They can also view any outstanding requirements, view their student account summary, and view and pay bills. Students are required to accept the terms and conditions of their financial aid. To do so, students can visit the Terms and Conditions tab on Banner Self Service.

## Federal Financial Aid Available

Students who meet all eligibility requirements for financial aid will be awarded a financial aid package that combines funds from one or more of the following funds:

### Federal Pell Grants

The Pell Grant Program provides federal grant funds for needy students who have not completed a first bachelor's degree. To be eligible, the student must demonstrate financial eligibility as determined by the U.S. Department of Education. At Fayetteville State University, these grants range from \$650 - \$6,195 for the 2019-2020 academic year.

The Consolidated Appropriations Act, 2012 (Public Law 112-74), was passed into law limiting the number of semesters a student may receive Federal Pell Grant funding from eighteen **(18) semesters or 900% to twelve (12) semesters or 600%**. Students may not appeal their Pell Grant eligibility; the Federal Pell Grant limits have been set by the U.S. Department of Education.

## **Federal Supplemental Educational Opportunity Grant (SEOG)**

These federal grant funds administered by the university are awarded to students who have not completed degree requirements for a bachelor's degree, and who demonstrate exceptional financial need on the FAFSA. The grants can range from \$100 to \$4,000 per award year and are awarded to the neediest students (ordinarily students with a zero EFC) as allowable based on the availability of funds.

## **Federal TEACH Grant Program (TEACH)**

The Teacher Education Assistance for College and Higher Education (TEACH) Grant Program provides grants of up to \$4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. Each grant recipient agrees to serve as a full-time teacher in a high-need field in a public or private elementary or secondary school that serves low-income students. Grant recipients must teach for at least four academic years within eight calendar years of completing the program of study for which they received a TEACH Grant. **IMPORTANT:** If a grant recipient fails to complete this service obligation, all amounts of TEACH Grants received will be converted to a Federal Direct Unsubsidized Loan which must then be repaid to the U.S. Department of Education. In this event, recipients will be charged interest from the date the grant(s) was disbursed. Note: TEACH Grant recipients will be given a 6-month grace period prior to entering repayment if a TEACH Grant is converted to a Direct Unsubsidized Loan.

## **Federal Work Study Program (FWSP)**

This federally funded employment program is administered by the Office of Scholarships and Financial Aid and provides part-time jobs on the Fayetteville State University campus for students who have financial eligibility as demonstrated on the FAFSA. Students normally work eight to ten hours per week in a University facility. Wages paid are at least at the minimum wage rate and are used to assist the student in meeting educational expenses. If there is an unpaid bill reflected on the student's account, federal work study funds should be used to pay balance.

## **The William D. Ford Federal Direct Loan Program**

The William D. Ford Federal Direct Loan Program is divided between subsidized and unsubsidized loans. These loans aid students in meeting educational expenses. Interest is deferred on the principal of the subsidized loan while the student maintains continuous enrollment. Depending on eligibility or unmet cost of attendance, a student may borrow up to:

- \$5,500 a year during the first year;
- \$6,500 a year during the second year of undergraduate study;
- \$7,500 a year for students with junior or senior status.

To apply for William D. Ford Direct Loans, the student must have completed the FAFSA process by the applicable deadline dates:

Fall Semester	October 1
Spring Semester	March 1
Summer Session I	May 1
Summer Session II	June 1

Students must complete a Renewal or Early FAFSA each academic year beginning after October 1 to be considered for loans.

## **William D. Ford Federal Direct Plus Loans**

Direct Plus Loans are loans for the parents of dependent students and for graduate/ professional students. PLUS loans help pay for education expenses up to the cost of attendance minus all other financial assistance. Interest is charged during all periods. The student must complete a FAFSA to determine eligibility for financial aid funds prior to the completion of the PLUS promissory note and a credit check will be performed.

To apply for Direct Plus Loans, the student must have completed the Financial Aid process by the applicable deadline dates:

Fall Semester:	October 1
Spring Semester:	March 1
Summer Session I:	May 1
Summer Session II:	June 1

Students must complete a Renewal or Early FAFSA each academic year immediately after October 1 to be considered for loans.

## **State Scholarships and Grants for NC Residents**

The State of North Carolina offers a variety of aid for NC residents. A current and complete list of grants, scholarships, and application criteria is available at <https://www.cfnc.org/index.jsp>.

## **Institutional Scholarships and Grants**

Fayetteville State University offers a variety of institutional scholarships and grants. A current and complete list of scholarships, selection criteria, and application materials is available at the Fayetteville State University website at [https://www.uncfsu.edu/paying-for-college/scholarships-\(paying-for-college\)](https://www.uncfsu.edu/paying-for-college/scholarships-(paying-for-college)).

## Satisfactory Academic Progress

Financial aid recipients (both undergraduates and graduate students) must make satisfactory academic progress to maintain eligibility for financial aid. Fayetteville State University defines satisfactory academic progress in quantitative and qualitative terms. Students are evaluated for satisfactory academic progress at the end of the academic year (spring), at which time students must have earned at least 67% of their attempted hours with a minimum GPA of 2.0 for an undergraduate student and a minimum GPA of 3.0 for a graduate student. Students whose total of attempted hours (including all transfer hours) exceeds 180 for an undergraduate student and 54 for a graduate student may re-enroll if their GPA is 2.0 or higher for an undergraduate student and 3.0 or higher for a graduate student, but will be ineligible for financial aid without successfully appealing through the Academic Appeals Committee. Students will be evaluated for financial aid eligibility at the end of the academic year (spring) and will be notified by the Academic Appeals Committee of their eligibility status. Students may appeal their financial aid eligibility by following the process delineated below in the section titled "Appeal Procedure".

Status	GPA/ Attempted Hours/ Excessive Hours	Consequences
Good Standing	2.0 or higher but less than 67% or excessive hours	Student eligible for continued enrollment but ineligible for financial aid unless request for continued financial aid is successfully appealed.
Suspension	Cumulative GPA below 2.0 at the end of the spring semester	Student ineligible for continued enrollment and ineligible for financial aid unless suspension is successfully appealed. Students who successfully appeal suspension will be placed on suspension/ reinstatement and required to participate in the Student Success Program. Students who appeal suspension, but then are suspended more than twice will not be permitted to re-enroll unless they improve status in summer school or participate in Academic Fresh Start. A Student Success Counselor will be assigned to suspended students. The counselor will assist students in taking steps to achieve eligibility for re-enrollment.

**Academic Suspension** – If a student's GPA is below 2.0 at the end of the spring semester, the student will be placed on academic suspension and must successfully appeal for continued enrollment and financial aid eligibility.

A student who has a cumulative GPA below 2.0 and withdraws from the university during the spring semester will be evaluated for continuous enrollment according to the guidelines above.

**Academic Probation** – Students who fail to maintain a cumulative GPA of at least 2.0 at the end of the fall semester will be placed on Academic Probation and will be permitted to enroll in a maximum of 14 credits for the subsequent semester. Students on probation will be required to discuss with their respective advisors' strategies for improving their academic status.

## Course Repeat Policy

Students may repeat a course, but can only earn credit hours once for any given course (except in cases where the faculty designate a course as one that can earn credit more than once). When a student repeats a course, the lower grade is excluded from the calculation of the Grade Point Average and the higher grade is included. A student is allowed a maximum of 16 credit hours for course repeats without penalty (a student cannot replace the grades of the same course more than once). "Without Penalty" means that only the higher grade will be calculated into the student's Grade Point Average. All original entries and grades will appear on the student's permanent record, with the designation that lower grade has been excluded from the Grade Point Average.

If a student repeats the same course for a second time or more and/or exceeds the maximum of 16 credit hours, all attempted hours will be counted, and all grades will be calculated into the Grade Point Average. However, students can only earn credit once for each course.

If a student earns a passing grade twice for the same course, only one set of course credit hours will be counted toward graduation.

Per federal regulations (34 CFR Section 668.2), repeated coursework that falls under the following conditions cannot be included in a student's enrollment status for Title IV Federal Aid eligibility:

- This regulation will allow a student to receive Title IV federal financial aid for only **one repeat** of any previously passed course or its' equivalency.
- A student attempting a **second repeat** of a previously passed course cannot have the enrollment for the course count toward the student's Title IV financial aid eligibility.

All repeated courses are included in a student's total attempted hours.

## Incomplete Grades

The grade of "I" may be assigned only when a student has maintained a passing average but for reasons beyond his or her control, is unable to complete a specific course requirement such as a report, field experience, experiment, or examination. An Incomplete Grade may not be assigned to students who have failed to fulfill multiple requirements in a class.

An "I" grade must be removed before the end of the next regular (fall or spring) semester immediately following the semester or term in which the "I" grade was assigned. If the "I" grade is not removed within the stipulated time limit, the grade will be converted to a grade of "F." Students are responsible for initiating the actions necessary to remove "I" grades.

## Incomplete Grades for Students Who Miss Final Exams

A student not present at an officially scheduled final exam may only be assigned an Incomplete grade if he/ she contacts the instructor of the course before the end of the final exam week to request a deferred final examination. Students who need to defer an examination must furnish valid support for the request. If the faculty member approves the deferred examination, a grade of "I" will be assigned.

Students whose request for deferred exams are not granted or who miss final exams without contacting the instructor before the end of the final exam week are not eligible to receive an Incomplete Grade.

## Part-Time Undergraduate Students

Part-time students are expected to progress at proportionally the same rate as full-time undergraduate students and are governed by the same Satisfactory Academic Progress Policy as full-time undergraduate students.

### Academic Fresh Start

Academic Fresh Start allows students whose academic record would otherwise prevent them from enrolling to resume their studies at Fayetteville State University after a period of non-enrollment without the burden of their prior grade point average. Under Academic Fresh Start,

- All course work completed at FSU prior to the semester of re-admission will be excluded from the GPA calculation.
- All previous courses in which the student earned a final grade of C or higher will be used to fulfill degree requirements. Such courses will be designated "XG" in the academic transcript.
- Previous courses in which the student earned a D or lower will not be used to fulfill degree requirements and will not count as earned hours. Such courses will be designated "XC" in the academic transcript.
- All course work will remain on the transcript with the following notation: "Academic Fresh Start."
- All attempted hours will remain on a student's record, and, hence, hours covered by Academic Fresh Start will be used in determining financial aid eligibility.

To be eligible for Academic Fresh Start, students must meet admissions criteria at Fayetteville State University. Students must demonstrate the potential for degree completion in one of the following ways:

- They must have a period of non-enrollment for at least four consecutive semesters and provide evidence in their request that the conditions that led to poor academic performance have been corrected; OR
- They must have a record of academic performance at another institution subsequent to their departure from FSU that demonstrates the potential for academic success at FSU.

A record of academic performance may be demonstrated by earning an Associate degree or academic certificate program in which 15 or more semester hours are transferrable, or earning at least 15 transferrable hours. The following provisions will apply for students readmitted under this program:

- **A student will be granted Academic Fresh Start only one time.**
- Students readmitted under the Academic Fresh Start program will be required to enroll in a Student Success Program approved by the student's College or School Academic Advising Office to help them achieve success while re-enrolled.
- Academic Fresh Start students will be eligible for financial aid in the first semester of re-enrollment only if their request is based on a record of academic performance at another institution subsequent to their departure from FSU. If a student does not have a record of academic performance from another institution, he/she will be responsible for all tuition and fees the first semester of reinstatement and must enroll as a full-time student. Academic Fresh Start students will be eligible for financial aid if they meet satisfactory academic progress; to do this, they must achieve a cumulative grade point average of 2.0 and a progression rate of 67% in hours attempted after their reinstatement with less than 180 attempted hours.

Requests for Academic Fresh Start must be submitted using the Letter of Appeal. The request must specify (1) the period of initial enrollment at Fayetteville State University, (2) the period of non-enrollment, (3) the



conditions that led to the academic difficulty during the initial period of enrollment at Fayetteville State University, (4) the actions the student has taken to improve these conditions and circumstances, and (5) any record of academic performance at another institution.

Academic Fresh Start will be applied to the student's record at the end of the semester of his/her return after final grades have been posted.

## Appeal Procedure

Students whose financial aid is cancelled as a result of not meeting Satisfactory Academic Progress must appeal financial aid ineligibility as part of their suspension appeal by submitting the online Letter of Appeal form.

Letters of appeal of academic suspension must be submitted by May 15 for summer I, July 1 for summer II, July 1 for the fall semester, and October 30 for the spring semester, and must address each of the following:

- The special or unusual circumstances, with documentation, that contributed to the student's academic suspension;
- Actions the student has taken to change the circumstances so that they will not contribute again to poor academic performance;
- Specific steps the students will take to improve his or her academic status in the upcoming semester;
- An address and phone number at which the student may be notified of the committee's decision.

The Academic Appeals Committee's response will indicate one of the following: 1) approval for student to re-enroll with reinstatement of financial aid; 2) approval for student to re-enroll without reinstatement of financial aid; 3) denial of the appeal. Appeals will be granted only under extraordinary circumstances that are appropriately documented. Student appeals submitted after the deadline will not be considered.

**Students who meet the academic standards for re-enrollment but fail to meet the standards for continued financial aid must submit the online Letter of Appeal form that addresses the items outlined above.**

Appeals will be granted only under extraordinary circumstances that are appropriately documented.

## Financial Aid Withdrawal Refunds/Repayments

### Refunds to Programs

When a student withdraws from the university, refunds will be returned to the programs from which the student received aid. The date of withdrawal is determined by the Registrar's Office and is based upon the date the student began the withdrawal process. Refunds are determined by using the Withdrawal/Refund Calculation Sheet that is based upon Federal Rules and Regulations #484B, #682.606, and #682.607 in the Federal Register.

If the student does not complete the university's official withdrawal form, the student will be responsible for 100% of the semester's charges. If the student secures documentation from each of his professors attesting to his last date of attendance in their classes and completes a university withdrawal form, a refund may be calculated based upon the normal withdrawal/refund processing policy. (The registrar determines if the documentation is sufficient. If the registrar changes the date of withdrawal, the student should contact the Office of Scholarships and Financial Aid to determine if a recalculation is appropriate.)

## **Repayments to Programs When a Return of Title IV Calculation is Completed**

If a return of federal funds is applicable based on the calculation of a withdrawal, the funds will be returned in the following order to the United States Department of Education:

- Unsubsidized Direct Loan
- Subsidized Direct Loan
- Direct PLUS (Graduate Students)
- Direct PLUS (Parent)
- Pell Grant
- FSEOG
- Other Title IV Grant Funds
- NC State Funds

# **Student Affairs**

The Division of Student Affairs is committed to providing an exceptional co-curricular experience, supportive of the academic mission at Fayetteville State University from orientation through graduation. With a strong emphasis on total student development, the division strives to prepare each student for a productive, ethical and meaningful life after college, while fostering an inclusive campus community in support of the educational mission of the university.

The philosophy of the division is that student development is an on-going and cumulative process of intellectual, psychological, cultural, social, and spiritual growth. This growth and development is shaped by a student's involvement outside the classroom and is a valuable part of the collegiate learning experience. Accordingly, the goals of Student Affairs are: to provide programs, services, and events that promote cultural enrichment and development; to collaborate with academic units and utilize Experiential Learning opportunities to enhance students' productivity; and to maintain a campus environment that encourages social diversification while promoting interpersonal interaction.

The Division of Student Affairs encompasses the administrative Office of the Vice Chancellor and the following units: Office of Career Services, the Office of Residence Life, the Center for Personal Development, the Office of Student Engagement, Intramurals and Campus Recreational Services, Student Health Services, the Rudolph Jones Student Center, and the Office of Student Conduct.

## **Career Services**

The Office of Career Services is located in the Rudolph Jones Student Center Rooms 227 and 223. The office provides support and assistance to current students and recent alumni of the university in their preparation for securing meaningful employment. Career Services offers scheduled appointments, walk-in hours, seminars, workshops, job fairs, employer information sessions, and classroom presentations. Career resources and information regarding careers, internships, the job search process, company literature, as well as graduate schools and fellowship programs are available in person and online. Handshake, our career management data base, allows current students and alumni to research employers, search/apply for available jobs and internships, and communicate with their Career Coaches about resumes, cover letters, interviews, and other career-related topics through an online portal. All students are expected to start the career services process in their freshman year and continue through graduation.

## **Job Location and Development Program**

The Job Location and Development Program, located within the Office of Career Services, assists currently enrolled students with off-campus part-time job opportunities. The program affords opportunities for students to learn skills while developing work habits and values that will benefit them throughout their careers.

## **Experiential Education**

Experiential Education includes both internships and cooperative education (CO-OP). Experiential education is a unique plan of education which integrates a student's academic and career interests with productive work experiences in cooperating employer organizations. Through this interaction, students enhance their education and improve their personal and professional development. The academic advisor, internship coordinator, and

the employing supervisor all share in the intellectual and personal development of the student. The experiential education experience enhances the self-awareness and direction of students by allowing them to develop practical skills and gain exposure to work environments beyond the university.

To ensure proper credit, students must complete all paperwork and approval processes prior to registering for these opportunities. Approval includes the internship coordinator, academic advisor, department chair, and dean.

## **Counseling and Personal Development Center**

The Counseling and Personal Development Center offers mental health, substance use, and student disability services to assist students with social, personal and academic growth during their matriculation at the university. For currently enrolled students, all mental health/substance use counseling and student disability services are provided for free and in a confidential atmosphere. Information discussed is held in strict confidence to the limits provided by law. No record of counseling or student disability services is annotated on academic transcripts or placement files. Services include: comprehensive mental health/ substance use evaluations; individual, couples, and group mental health/ substance use counseling; consultation; referral services; and reasonable accommodations with qualifying documentation.

Additionally, the Counseling and Personal Development Center's counseling staff presents transformative experiences (i.e, workshops, presentations, small groups, screenings) to engage our students in co-curricular activities that are based on their needs and interests. These outreach activities are designed to enhance students' self-esteem, study skills, leadership abilities, and decision-making skills. Office hours are 8:00 a.m. to 5:00 p.m., Monday through Friday. Other times are available by appointment.

## **Student Disability Services**

The university provides for the matriculation of all students without regard to sex, race, religion, or disability. The university continues to be sensitive to the identification of possible barriers to students with disabilities and attempts to make reasonable accommodations for these students. Students with disabilities who need assistance in utilizing university services should register with the Counseling and Personal Development Center as soon as they are admitted to the university.

## **Substance Abuse Prevention Program**

The Counseling and Personal Development Center also offers a comprehensive Substance Abuse Prevention Program in an attempt to curb alcohol and other drug use and their associated negative consequences. The comprehensive prevention approach developed combines traditional educational programs with strategies aimed at informing the campus community about the impacts of substance use/abuse, encouraging students to choose healthy lifestyles, and supporting students who choose not to use alcohol and other drugs. Successful community partnerships have been established in an effort to provide current resource information to the student population.

## Intramurals and Campus Recreational Services

The Intramurals and Campus Recreational Services program is a unique opportunity for FSU students to participate together in sports leagues, tournaments, and special events. There are four team sports competitions: basketball, flag football, soccer, and volleyball. Other individual sports and special events include track, soccer, dodge ball, racquet ball, weightlifting, swimming, water aerobics, exercise equipment/ activities, indoor/ outdoor track, and bike riding.

Participants do not have to possess superior athletic abilities. All levels of skill are incorporated. Eligibility is limited to Fayetteville State University students.

The Intramurals Sports Office is located in Lilly Gymnasium.

## Housing and Residence Life

The primary goal of the Department of Housing and Residence Life is to create an atmosphere that is conducive to the overall educational mission of the university. Efforts are made to integrate academic and out-of-class learning while providing opportunities for self-identity, social networking, leadership development, and civic engagement through the Residence Hall Association and a host of other Residence Life driven programs. Thus, all students who reside in on-campus housing are charged the full balance of fees and debt services to include the Student Activities Fee, Athletic Fee, Health Service Fee and University Debt Service fee.

The main office of Housing and Residence Life is located in Williams Hall. There are a myriad of facility types and room designs offering comfortable and safe accommodations to approximately 1,600 students. Each facility is supervised by a professional staff member and a team of student staff members, who aid as peer leaders assisting residents in their adjustment to college life. Maintenance, housekeeping, and security personnel also aid in keeping the residential communities clean and safe.

An annual application and a non-refundable housing application fee are required before a student can move on campus. Additionally, all students **must be registered for classes and have completed all health and immunization requirements prior to** checking into any residential area. All residential students must comply with the university student health insurance requirement regardless of the total number of credit hours that the student is enrolled in at the university.

Our residence halls are open to all first year, transfers, returning, undergraduate students enrolled in on-campus courses. First year students are strongly encouraged to live on campus as research shows that these students often do better academically. Housing placement priority is given to individuals who are seeking to obtain their first bachelor's degree. Graduate, distance education, part-time, and special visiting students are only eligible for on-campus housing by special exception and when spaces are available.

Residence hall living is based on community effort, mutual respect, and consideration of others. The Guide to Residential Living can be found online and should be reviewed at the beginning of each academic term. Community standards are designed to ensure that all students have a positive residential experience. Alcohol, weapons, and illegal substances are strictly prohibited on campus. As members of the residence hall community, students are responsible for adhering to the policies and regulations outlined in the Student Code of Conduct, Guide to Residential Living, and the FSU Housing Agreement.

## **Rudolph Jones Student Center**

The Rudolph Jones Student Center serves as the heartbeat of campus for students, faculty, and staff by providing an environment conducive for growth and exchange. The Office of Student Engagement, Office of Career Services, Student Government Association, Student Activities Council, AUTOS Commuter Student Association, Weekend Activities Committee, Office of Student Leadership, Safe Zone, Campus Photographer, Fayettevillian Yearbook, and the VOICE Student Newspaper are housed in the facility. The Student Center serves as the meeting place for many student organizations and is a place where students interact. It is equipped with meeting rooms, student lounge areas, television lounges, a recreational space, a cafeteria, additional dining areas, a 100-seat movie theater, and a full-service post office. Other services available in the Student Center include copy machines, vending machines, and teller machines.

## **Office of Student Engagement**

The mission of the Office of Student Engagement is to maintain and direct an environment conducive to growth and exchange by sponsoring activities and programs that enhance the personal, social, and emotional development of students. The Office of Student Engagement provides opportunities for students to involve themselves in co-curricular activities. Through this involvement, students are challenged through experiential learning and receive practical experience in program planning, leadership, problem solving, and consulting.

The Office of Student Engagement is responsible for certifying and monitoring the annual registration process for student clubs and organizations. Procedures for registering a student organization and for establishing a new student organization can be found by visiting the Office of Student Engagement.

## **Student Government Association**

The Student Government Association (SGA) is the organization that represents Fayetteville State University students. SGA strives to meet the needs of students and to act in their best interests. The officers focus on communications with students and on general operation of the Student Government. The Senate, composed of student representatives, is responsible for examining student concerns and making appropriate recommendations to the university administration.

## **Student Activities Council**

The mission of the Student Activities Council (SAC) is to plan, implement, and execute social, cultural, intellectual, spiritual, and environmental activities and events to enhance campus life. The Student Activities Council serves as the primary planning and implementation board of the majority of students' social, cultural and recreational activities and events. The Council is comprised of several elected underclassmen and executive board members. Council members are elected annually and serve as representative of their constituents.

### **Weekend Activities Committee**

The Weekend Activities Committee (WAC) has been established as the planning and implementation board of the students' social, cultural, recreational activities, and events primarily on the weekends. The council is comprised of several elected underclassmen and executive board members. Council members are elected annually and serve as representative of their constituents.

## **AUTOS-Commuter Student Association**

The AUTOS Commuter Student Association is comprised of several elected underclassmen and executive board members. Council members are elected annually and serve as representative of their constituents. The AUTOS Commuter Student organization is committed to assisting the commuter student population to make the most of their college experience. This effort includes providing activities/events for commuters to connect them to the campus community, informing commuters about campus happenings, encouraging academic progress, promoting commuter leadership and serving as advocates for commuter needs in campus planning at all levels.

## **Student Health Services**

The mission of Student Health Services (SHS) is to assist students in developing a solid foundation for healthy lifestyle practices and to improve their current and future health outcomes. SHS provides student centered, inclusive, and comprehensive cost-effective health care and health promotion educational services.

Student Health Services is located in the Spaulding Building on the west end of campus. Students are eligible for care once they pay the student health fee which is part of their tuition. All students who have medical problems or questions are invited to consult the Student Health Services staff. Students should call (910) 672-1259 to speak with a nurse or administrator.

SHS provides a variety of confidential health services to the student population including:

- Acute Medical Care
- Women's Health
- Men's Health
- STI counseling, screening & treatment
- Laboratory Services
- Family Planning
- Pharmacy Services
- Bronco Wellness - Health Promotion and Health Education Services
- Sports Physicals for FSU Athletes
- ROTC Physicals

A nurse is available Monday - Friday during hours of operation (8 a.m. to 5 p.m). The medical provider is available for acute or routine treatment Monday - Friday, 9:00 a.m. to 4:30 p.m., but this schedule may vary during summer sessions. For after-hours assistance for non-life-threatening issues, students can contact the Health Line Blue at 1-877-477-2424. For any severe or potentially life-threatening emergency, students should contact 911, Campus Police, or the Residence Hall Advisor/ Director.

For the Fall 2020 semester, students are requested to call the main number at (910) 672-1259 to schedule an acute or routine appointment. Student Health Services will evaluate students for potential coronavirus infections and provide an appropriate plan of care. Students will be pre-screened prior to entering the clinic in order to meet current Center for Disease Control guidance and recommendations.

Students needing specialized services are referred to local area clinics and hospitals. Upon referral, the student is responsible for all charges not covered by their personal insurance plan and/or their Student Medical Insurance Plan (Student Blue).

**Note: Current Immunization Record and Medical History Forms are required for services. The student health fee is not the same as the cost associated with the Student Medical Insurance Plan (Student Blue.)**

To give satisfactory service to each student, the Student Health Services staff request the cooperation of each student in adhering to Student Health Policies. On each visit to Student Health Services a valid Fayetteville State University Identification Card must be presented prior to treatment and/or services.

Any student requesting services must complete the Immunization Record & Medical History Form and provide the required immunization documentation to Student Health Services prior to scheduling an appointment regardless of credit hours or status. All new students, transfer students, returning former FSU students, and students taking more than four hours on the main campus before 5 p.m., must complete all medical and North Carolina immunization laws requirements.

## **Insurance**

The University of North Carolina System requires each student to have health and medical insurance either by a creditable policy or under the UNC System Student Medical Insurance Plan. Brochures describing the Student Insurance Plans are available online at [www.studentbluenc.com/fsu](http://www.studentbluenc.com/fsu).

The premium for the Student Blue Insurance Plan is included in each student's semester bill if three criteria are met:

- Student is enrolled in a minimum of six (6) credit hours taken on the main campus.
- Student is eligible to pay the student health fee.
- Student is enrolled in a degree-seeking program.

Students who do NOT wish to be enrolled in the Student Blue Insurance Plan MUST present proof of personal insurance coverage and complete the insurance waiver online only at [www.studentbluenc.com/fsu](http://www.studentbluenc.com/fsu). The deadline will be announced via email. Students who participate in varsity athletics are not allowed to waive their FSU Student Accident & Sickness Insurance Plan without the permission of their respective coach or the Athletic Director.

Dependents/ family members are not eligible under this health benefit plan. Coverage is only available for the eligible subscriber.

International students are eligible to be insured under the University System Insurance plan. All international students are to contact Student Health Services for information.

## **Immunization and Required Documentation**

North Carolina Statute law (General Statue 130A 152- 157) requires that all undergraduate and graduate students present documented proof of specific immunizations. The required immunizations are listed on the Immunization Record & Medical History Form required of all students prior to registration. Immunization Record and Medical History Forms are available at Student Health Services and online on the Student Health Services website. All medical information is confidential and is not divulged without the written consent of the student or parent/legal guardian of a minor student.

Immunizations must be physician-certified or verified by a clinic stamp before registering at FSU. Failure to comply with mandatory state immunization laws requires administrative withdrawal from the University.

Note: EXCEPTION from immunization requirements include: a) students enrolled for four day credit hours or less and residing off campus, b) students attending evening classes starting at 5 p.m., c.) students taking weekend classes and d) students taking off campus classes for the duration of their degree program.



### **The minimum immunization requirements are:**

1. Three (3) doses of tetanus/diphtheria toxoid - (DTP, DTaP, Td): one of which must be a Tdap booster (tetanus/ diphtheria/ pertussis) - **One must have been within the past 10 years.**
2. Three (3) doses of Polio (oral): Required if under age 18.
3. One (1) dose of Meningococcal or waiver. If born on or after January 1, 2003 or residing in the residence halls, then North Carolina law requires students to have the Meningococcal vaccine.
4. Three (3) doses of Hepatitis B: Required if born on or after July 1, 1994.
5. Two (2) doses of MMR - Measles, Mumps, Rubella vaccine: Required if born on or after June 1, 1957.
  - Lab report to show proof of immunity to Measles, Mumps, and Rubella (MMR) by blood test (titer) will satisfy the Measles, Mumps, and Rubella (MMR) requirement.
  - Rubella (German Measles): Required if under age 50.
6. One (1) dose of Varicella: Required if born on or after April 1, 2001.
  - Lab report documented by serological testing to have a protective antibody titer against varicella.
  - Proof of laboratory confirmation of varicella disease immunity.

**INTERNATIONAL STUDENTS and/or non – US Citizens:** Additionally, these students are required to have a serological test or TB skin test (PPD or TST) that has been administered and read at an appropriate medical facility within the 12 months prior to the first day of class (chest x-ray required if the test is positive).

### **SPECIAL EMPHASIS**

1. Month, date, and year are required for each immunization.
2. Handwritten records must be verified by either a physician's signature or by a clinic/ health department stamp.
3. Any request for medical exemption from the immunization requirement must be verified by a NC physician. The physician must complete the **Medical Exemption Statement Form** (DHHS form 3987) or Physicians Request for Medical Exemption (DHHS 3995). The form must be submitted to Student Health Services.

The University registrar is required by law to withdraw any student who does not provide the appropriate immunization records. This administrative withdrawal can result in loss of grades and/or credit. Students have until the close of business on the 30th calendar day after the first day of class to submit immunization records. On the 31st calendar day, students who are not in compliance (do not meet the minimum immunization requirements, have no record on file, or are not in-process to receive the required immunizations) **MUST** be excluded from college/university per state immunization law. The student may not return to college/university without immunizations.

## **Medical Excuses**

Medical excuses are given only when the Medical Provider deems it medically necessary. An appointment with Student Health Services does not mandate a medical excuse. Medical excuses are not issued for missed class time. Therefore, students are strongly encouraged not to schedule appointments during class time.

## **Emergency and Non-Emergency Transportation**

The Student Health Services' staff does not respond to medical calls outside of the facility. In emergency situations, the Emergency Medical System (911) will be activated for students who require it. The student will be responsible for charges or bills for EMS/ambulance services not covered by their medical insurance. Students with OFF Campus appointments are responsible for arranging their own transportation and receiving a referral as needed from Student Health Services.

## **Medical Records**

Student medical records are available only to the professional staff of SHS and are considered confidential and privilege. Records may only be released with written permission by the student. Records are retained for eleven years after the student leaves the University and subsequently are destroyed.

## **Bronco Wellness**

Health promotion and health education services are provided through the Bronco Wellness (B-Well) program. B-Well is designed to:

- Promote healthy lifestyles
- Provide wellness resources and referrals
- Encourage and teach risk reduction behaviors
- Offer a safe and non-discriminatory environment for students to access health education information

B-Well utilizes a holistic approach to support the FSU campus in adopting healthier lifestyle practices to improve personal health and wellness. Initiatives are designed to educate and empower our campus to make better choices that can positively impact current and future health outcomes. A nine-dimensional model of wellness serves as the foundation for health promotion programming and services.

## **Office of Student Conduct**

The Director of Student Conduct adjudicates alleged violations of the Code of Student Conduct for the university student judicial system. The Code of Student Conduct applies to all enrolled part-time, full-time, undergraduate, and graduate students while they are on premises owned by the university, on city streets running through or adjacent to the campus, and in off-campus facilities occupied by students by virtue of their association with an organization recognized by the University. The code also applies to conduct at other off-campus locations if the conduct adversely affects the university community and/or the pursuit of its objective as determined by university officials.

The Director of Student Conduct also provides various means of support as needed in crisis situations that involve students and other university offices. In addition, the Office Student Conduct oversees the Student Judicial Board. The Office of Student Conduct is located in Williams Hall.

## **Alcohol/Drug Policy**

Alcoholic beverages and drugs are strictly prohibited for students on the campus of Fayetteville State University. This includes the possession, sale, distribution, and consumption of any alcoholic beverages and illegal drugs.

## **Counseling and Rehabilitation**

Counseling and rehabilitation related to alcohol and drug abuse are an important part of the university's alcohol/drug policy. The following specific activities shall be implemented:

- Information regarding the Counseling and Personal Development Center's services and referral process for alcohol and drug abuse shall be disseminated to students, faculty, administrators, and staff.
- Members of the academic community who are aware of individuals with alcohol/drug problems shall be encouraged to make referrals to the Counseling and Personal Development Center or other agencies.

## **Enforcement and Penalties Trafficking in Illegal Drugs**

For illegal manufacture, sale or delivery, or possession with intent to manufacture, sell or deliver any controlled substance identified in Schedule I through VI, NC General Statutes 90-89, 90-91 through 90-94, (including but not limited to heroin, mescaline, lysergic acid diethylamide, opium, cocaine, amphetamine, methaqualone, marijuana, pentobarbital, codeine) the minimum penalty shall be expulsion from enrollment of any student or dismissal from employment for any faculty member, administrator or any other employee.

## **Illegal Possession of Drugs**

For the first offense involving the illegal possession of any controlled substance identified in Schedule I, NC General Statutes 90-89, Schedule II, NC General Statutes 90-90, the minimum penalty shall be suspension from enrollment for a minimum of one calendar year for any student, faculty member or employee. For a second offense for possession of any controlled substance identified in Schedule I, NC General Statutes 90-89, or Schedule II, NC General Statutes 90-90, the minimum penalty shall be expulsion from enrollment or dismissal from employment.

For a first offense involving the illegal possession of any controlled substance identified in Schedules III through VI, NC General Statutes 90-91 through 90-94, the minimum penalty for any student, faculty member or other employee shall be probation, for a period to be determined on a case-by-case basis. A more severe penalty may be imposed including the maximum penalty of expulsion for students and discharge for faculty members, administrators or other employees.

A person on probation must agree to participate in a drug education and counseling program, consent to regular drug testing, and accept such other conditions and restrictions, including a program of community service, as the chancellor or the chancellor's designee deems appropriate. Refusal or failure to abide by the terms of probation shall result in suspension from enrollment or from employment for any unexpired balance of the prescribed probation.

For second or other subsequent offenses involving the illegal possession of controlled substances, progressively more severe penalties shall be imposed, including expulsion of students and discharge of faculty members, administrators or other employees.

When a student, faculty member, administrator, or other employee has been charged by the university with a violation of policies concerning illegal drugs, he or she may be suspended from enrollment or employment before initiation or completion of regular disciplinary proceedings if, assuming the truth of the charges, the Chancellor or, in his absence, the Chancellor's designee concludes that the persons continued presence within the university community would constitute clear and immediate danger to the health or welfare of other members of the university community. If such a suspension is imposed, an appropriate hearing of the charges against the suspended person shall be held as promptly as possible thereafter.

A complete statement of the Fayetteville State University Alcohol/Drugs Policy can be found in the Student Handbook, which is published by the Office of the Vice Chancellor for Student Affairs.

## **Sexual Harassment and Sexual Misconduct**

### **Prohibited Discrimination, Harassment, and Related Misconduct, Including Sexual and Gender-Based Harassment, Sexual Violence, Interpersonal Violence, Stalking, and Related Retaliation**

The university is committed to providing an inclusive and welcoming environment for all members of our community. The university values safety, diversity, education, and equity and is firmly committed to maintaining a campus environment free from discrimination, harassment, and related misconduct.

In accordance with its Policy Statement on Nondiscrimination, the university does not unlawfully discriminate in offering equal access to its educational programs and activities or with respect to employment terms and conditions on the basis of an individual's gender, gender expression, gender identity, genetic information, sex, sexual orientation, or other protected statuses.

The university's protection of these statuses is grounded in federal law. Federal law also governs the university's response to sexual assault, sexual violence, sexual harassment, interpersonal violence (including domestic and dating violence), stalking and related retaliation. Such acts violate the essential dignity of our community member(s) and are contrary to our institutional values. For more information about the Title IX policies and to view the full text, please visit: [www.uncfsu.edu/title-ix](http://www.uncfsu.edu/title-ix), or contact the Title IX Office.

A full description of prohibited conduct, and a description of procedures used in cases where violations are alleged, including the appeals processes, are found in the complete text of the Code of Student Conduct and the Title IX Policies. Students are advised to contact the Student Conduct Office or the Title IX Office or visit: [www.uncfsu.edu/title-ix](http://www.uncfsu.edu/title-ix) to ensure they consult the most recent edition.

## **Reporting and Resources for Information & Assistance**

Individuals are encouraged to report incidents of prohibited conduct to the Title IX Office, the Victim Assistance Program Office, and/or the Police & Public Safety Department. As an alternative, an individual can also seek confidential assistance that does not involve notice to the university.

Confidential assistance is available from the Counseling & Personal Development Center and Student Health Services.

### **Contact Information**

#### **Title IX Office**

Barber Building, Room 242  
Telephone: (910) 672-2325  
Email: TitleIX@uncfsu.edu

#### **Student Conduct Office**

Williams Hall, Rooms 101 & 107  
Telephone: (910) 672-1788

#### **Victim Assistance Program**

Williams Hall  
Telephone: (910) 672-2486

#### **Police & Public Safety**

Mitchell Building  
Telephone: (910) 672-1775

#### **Counseling & Personal Development Center**

Spaulding Building  
Telephone: (910) 672-1222

#### **Student Health Services**

Spaulding Building  
Telephone: (910) 672-1259

## **Written Complaint Procedure**

At Fayetteville State University, we recognize our students as the primary customers for all of the services that we offer, from classroom instruction to personal counseling to computer labs. When an area of the university needs improvement or change to better serve the needs of our students, we appreciate hearing from them.

As a first step, students are encouraged to discuss their complaints directly with the person responsible for the area or problem. If the issue is not or cannot be addressed through discussion with the responsible person and if there are no methods prescribed for appeal in the applicable area in the relevant Academic Catalog, Student Handbook, or other official university documents, then the issue should be outlined in writing and submitted to the following offices in the order indicated:

## **Academic Complaints:**

- Department Chair
- Dean of the School/College
- Provost and Vice Chancellor for Academic Affairs

## **Non-Academic Complaints:**

- Department or Office Director
- Vice Chancellor of the Division to which the Department or Office reports

Each office listed above will respond to the student within 10 working days of receipt of the written suggestion or complaint. If the issue is not satisfactorily resolved at the first level, the student should submit his/her request to the next highest level. If the issue remains unresolved at the highest level indicated above, the student(s) should appeal to the Office of the Chancellor.

## **Americans with Disabilities Act Section 504 of the Rehabilitation Act Complaint Procedures**

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination on the basis of physical or mental handicap by programs receiving federal assistance. Section 504 focuses on program accessibility, academic accommodations, and integrated settings. Title II of the Americans with Disabilities Act prohibits discrimination based on disability in all programs, activities, and services of State and local governments.

As an institution that receives federal assistance from the U.S. Department of Education and as a constituent institution of the University of North Carolina (a state agency), Fayetteville State University must comply with the laws and regulations pertaining to Section 504 and ADA.

It is the policy of FSU that no qualified individual with a disability will be excluded, by reason of such disability, from the participation in or be denied the benefits of the services, programs, or activities offered by FSU or be subjected to discrimination.

Additionally, FSU does not discriminate against a qualified individual with a disability, in regard to job application procedures, the hiring, advancement, or discharge of employees, employee compensation, job training, or any other term, condition, and privileges of employment.

These procedures were established to provide an individual with the means to file a complaint if the individual believes that he or she has been discriminated against based on disability. A student, employee, applicant or member of the public who wishes to file a complaint regarding the University's compliance with ADA/Section 504 must file such a complaint with the Director for the Center for Personal Development, Fayetteville State University, Fayetteville, NC 28301-4298.

## **Non-Discrimination Statement**

Fayetteville State University is committed to equality of educational opportunity and employment and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, sex, gender identity, sexual orientation, age, disability, genetic information or veteran status. Moreover, Fayetteville

State University values diversity and actively seeks to recruit talented students, faculty, and staff from diverse backgrounds. Any student with a concern, grievance, or complaint of discrimination or retaliation should utilize the university's policies listed below or related grievance procedures for students.

- Nondiscrimination Policy
- Equality of Opportunity in the University [The Code, Section 103]

Students who believe they have experienced any form of discrimination may contact Student Affairs at (910) 672-1201.

# Broadwell College of Business and Economics

The Broadwell College of Business and Economics is dedicated to providing quality business education to a diverse student population. The College prepares students to meet the challenges of a changing environment and to compete in a global market. This is accomplished by supplementing the University's strong teaching emphasis with research and a curriculum that reflects the changing market conditions. The College also assists in regional economic transformation by promoting entrepreneurial and economic education.

The Broadwell College of Business and Economics is authorized to offer Bachelor of Science degrees in six undergraduate programs.

## Learning Outcomes

College-wide learning goals are intended to enhance student learning in the following areas: communication, ethical reasoning, analytical skills, information technology, global outlook, critical thinking, and understanding of legal systems.

### College-wide Goals:

- Students will be able to communicate effectively.
- Students will be able to use appropriate IT tools for a given business situation.
- Students will be able to think critically.

Prior to taking advanced courses toward a Bachelor of Science degree in a business discipline:

- A student must have completed a minimum of 30 credit hours with a minimum grade point average required by the program.
- A declaration of major form must be completed, submitted, and approved.
- A student must have completed the following courses with no grade lower than a C: ACCT 211, ECON 211 or ECON 212, BADM 214 or ISBA 211, BADM 215, BADM 216.

If you do not meet the requirements to be admitted into the Broadwell College of Business and Economics, you may declare a Pre-Business major in any of the following degree programs:

- Pre-Accounting
- Pre-Business Administration with a Concentration in:
  - General Business
  - Healthcare Management
  - Entrepreneurship
  - Information Systems and Business Analytics
  - Management
  - Marketing
  - Risk Management and Insurance
- Pre-Banking and Finance
- Pre-Healthcare Administration
- Pre-Information Systems and Business Analytics
- Pre-Fire and Emergency Services Administration



# Department of Accounting, Finance, Healthcare Administration, and Information Systems

The Department offers four different baccalaureate programs: (1) Bachelor of Science in Accounting, (2) Bachelor of Science in Banking and Finance, (3) Bachelor of Science in Healthcare Administration, and (4) Bachelor of Science in Information Systems and Business Analytics. In addition, we offer degrees in Business Administration with concentrations in Information Systems and Business Analytics and Healthcare Management. We also offer various minors for business and non-business majors. Our goal is to provide students with a well-rounded experience that includes solid academic preparation, exposure to professionals in each field of endeavor, quality internship programs and access to regional and national job fairs.

## Bachelor of Science in Accounting

The Bachelor of Science degree program in Accounting is designed to offer professional education to qualified students who seek careers in the field of accounting. The program emphasizes the learning of the concepts and practices of accounting along with the development of analytical skills in areas of data processing, management, mathematics, and statistics.

## Bachelor of Science in Banking and Finance

The Bachelor of Science in Banking and Finance is designed to provide students with the practical and analytical skills required to pursue successful careers in both the private and public sectors. Graduates will have a sound understanding of financial concepts, financial instruments, financial institutions, and the techniques that are employed in the finance profession.

## Bachelor of Science in Healthcare Administration

The Bachelor of Science in Healthcare Administration is designed to provide students with a quality education that will prepare them for employment in the health care profession or for further study leading to advanced degrees.

## Bachelor of Science in Information Systems and Business Analytics

The Bachelor of Science in Information Systems and Business Analytics is designed to prepare students with skills to evaluate, design, implement, manage, and utilize systems to generate information to improve efficiency and effectiveness of decision making

The College of Business and Economics is accredited by the Association to Advance Collegiate Schools of Business (AACSB) which is one of the most prestigious and rigorous accrediting programs. Currently, less than one-third of the US business schools and only 15 percent of the international business schools have earned AACSB accreditation.

## Learning Outcomes

### Accounting Learning Outcomes

- Using clear and concise communication to convey relevant financial and non-financial information so that decision makers can formulate informed decisions

- Utilizing technology (such as computers, accounting software, information databases) to facilitate and enhance accounting and financial reporting processes
- Identifying the appropriate managerial and business issues critical to analyzing accounting data and other information used for identifying and assessing opportunities and risks, developing organizational plans, allocating resources, and accomplishing objectives
- Employing national, international, and historical perspectives to analyze accounting and business issues
- Identifying ethical issues associated with accounting and business situations and apply appropriate principles of ethics and civic responsibility
- Using analytical and research tools to monitor evolving accounting standards and practices and to maintain professional skills in a changing business environment

#### Banking and Finance Learning Outcomes

- Applying appropriate problem-solving methodologies to the analysis and solution of financial problems
- Explaining the role of financial management in the business firm and in the public sector
- Explaining the functioning of financial markets and the roles of financial institutions
- Communicating effectively using oral, written, and multimedia techniques
- Evaluating ethical issues and dilemmas related to banking and finance.

#### Business Administration Degree Program

- Students will demonstrate competencies in current core departmental business disciplines.
- Students will assess global business opportunities and threats.
- Students will exhibit analytical thinking to a business subject, identify information needed, and access appropriate resources to make evidence-based decisions.
- Students will demonstrate the ability to communicate effectively.
- Students will demonstrate ethical and professional workplace behaviors.

#### Healthcare Administration Degree Program

- Students will demonstrate the ability to communicate clearly and concisely with internal and external customers, establish and maintain relationships, and facilitate constructive interactions with individuals and groups
- Students will demonstrate an understanding of how to inspire individual and organizational excellence, create a shared vision and successfully manage change to attain the organization's strategic ends and successful performance.
- Students will be able to comprehend the alignment of personal and organizational conduct with ethical and professional standards within healthcare, including a responsibility to the patient and community, a service orientation, and a commitment to lifelong learning and improvement.
- Students will demonstrate knowledge of the healthcare environment, including healthcare systems and the environment in which healthcare managers and providers function.
- Students will be able to apply business principles, including systems thinking, to the healthcare environment.

#### Information Systems and Business Analytics Degree Program

- Students will be able to evaluate business impact using computing logic, data analysis and financial tools.
- Students will be able to analyze business decisions using statistical regression, data mining, and quantitative models.

- Students will be able to plan, design and develop applications in database management systems.
- Students will demonstrate understanding of social media technologies for marketing, branding, crowdsourcing, and innovative management of consumers.

## Major

### Accounting, B.S.

## Other Program Requirements for Bachelor of Science in Accounting

- Accounting majors must have least a GPA of 2.5 in accounting courses for graduation.
- Advanced Managerial Accounting, ACCT 310, is not open to Accounting majors.
- For enrollment in 300- and 400-level Accounting courses, students must have a GPA of 3.0 or better in ACCT 211 and ACCT 212.
- BADM 450 and COOP courses are not available as accounting electives.

## Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission and Graduation Requirements" for Broadwell College of Business and Economics.

**Other Major Requirements:** Minimum GPA of 2.5 required in accounting courses. ACCT 310 is not open to Accounting majors. GPA of 3.0 in ACCT 211 and ACCT 212 required for enrollment in 300- and 400-level accounting courses. BADM 450 and COOP courses are not available as accounting electives. Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II

- PHYS 126L - College Physics II Laboratory
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I

### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II

- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

## Major Courses: 58 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- ACCT 300 - Accounting Information Systems
- ACCT 311 - Intermediate Accounting I
- ACCT 312 - Intermediate Accounting II
- ACCT 320 - Federal and State Income Taxes
- ACCT 321 - Cost Accounting
- ACCT 422 - Auditing
- BADM 209 - Legal Environments of Business
  
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
  
- BADM 216 - Statistics for Business and Economics I
- BADM 412 - Business Law
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- MKTG 311 - Principles of Marketing

## One from the Following:

- ISBA 411 - Excel Analytics
- ISBA 412 - Business Analytics

## Major Electives: 9 Credits

Choose three courses from the following:

- ACCT 322 - Advanced Cost Accounting
- ACCT 411 - Advanced Accounting
- ACCT 412 - Government and Public Accounting
- ACCT 420 - Advanced Federal Income Taxes
- ACCT 424 - Financial Statement Analysis
- ACCT 425 - Forensic and Fraud Analysis
- ACCT 430 - Accounting Theory
- ACCT 450 - Accounting Internship

## Free Electives: 14 Credits

Total Credit Hours: 120



## Accounting, Risk Management and Insurance Concentration, B.S.

### Other Program Requirements for Bachelor of Science in Accounting

- Accounting majors must have least a GPA of 2.5 in accounting courses for graduation.
- Advanced Managerial Accounting, ACCT 310, is not open to Accounting majors.
- For enrollment in 300- and 400-level Accounting courses, students must have a GPA of 3.0 or better in ACCT 211 and ACCT 212.
- BADM 450 and COOP courses are not available as accounting electives.

### Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission and Graduation Requirements" for Broadwell College of Business and Economics.

**Other Major Requirements:** Minimum GPA of 2.5 required in accounting courses. ACCT 310 is not open to Accounting majors. GPA of 3.0 in ACCT 211 and ACCT 212 required for enrollment in 300- and 400-level accounting courses. BADM 450 and COOP courses are not available as accounting electives. Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

## Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

## Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

## Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

## Information Literacy: 3 Credits

- ENGL 120 - English Composition II

## Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Lab
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Lab
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Laboratory
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

#### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

## Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society

- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Major Courses: 70 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- ACCT 300 - Accounting Information Systems
- ACCT 311 - Intermediate Accounting I
- ACCT 312 - Intermediate Accounting II

- ACCT 320 - Federal and State Income Taxes
- ACCT 321 - Cost Accounting
- ACCT 422 - Auditing
- BADM 209 - Legal Environments of Business
- BADM 214 - Microcomputer Applications in Business
- or
- ISBA 211 - Business Software Applications
- BADM 216 - Statistics for Business and Economics I
- BADM 412 - Business Law
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- FINC 360 - Principles of Risk Management and Insurance
- FINC 461 - Corporate and Financial Risk Management
- FINC 462 - Employee Benefits and Retirement Planning
- FINC 463 - Commercial Property and Liability Insurance
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- MKTG 311 - Principles of Marketing

One of the following:

- ISBA 411 - Excel Analytics
- or
- ISBA 412 - Business Analytics

Major Electives: 6 Credits

Choose two courses from the following:

- ACCT 322 - Advanced Cost Accounting
- ACCT 411 - Advanced Accounting
- ACCT 412 - Government and Public Accounting
- ACCT 420 - Advanced Federal Income Taxes
- ACCT 424 - Financial Statement Analysis
- ACCT 425 - Forensic and Fraud Analysis
- ACCT 430 - Accounting Theory
- ACCT 450 - Accounting Internship

Free Electives: 5 Credits

Total Credit Hours: 120

## Banking and Finance, B.S.

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission and Graduation Requirements" for College of Business and Economics.

**Other Major Requirements:** Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

#### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space



- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Lab
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Lab
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Laboratory
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I

- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I

- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Required Business Courses: 58 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
- BADM 214 - Microcomputer Applications in Business
- BADM 215 - Business Communications
- BADM 216 - Statistics for Business and Economics I
- ISBA 211 - Business Software Applications
- ISBA 300 - Information Systems Theory and Practice
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- FINC 320 - Financial Management
- FINC 410 - Investments

- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- MKTG 311 - Principles of Marketing

One of the following:

- ECON 322 - Money, Banking and Monetary Policy
- FINC 323 - Money, Banking, and Monetary Policy

Three courses from:

- ACCT 300-499
- ECON 300-499
- FINC 300-499
- ISBA 300-499

One of the following:

- ISBA 411 - Excel Analytics
- ISBA 412 - Business Analytics

Banking and Finance Electives: 6 Credits

Select two from FINC 400-499 (ACCT 424 may be used to satisfy one of the FINC 400-499 requirements)

Free Electives: 17 Credits

Total Credit Hours: 120

## **Banking and Finance, Risk Management and Insurance Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission and Graduation Requirements" for College of Business and Economics.

**Other Major Requirements:** Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 39 Credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and

- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

#### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

#### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible

- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement



- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Required Business Courses: 64 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
- BADM 214 - Microcomputer Applications in Business
- or
- ISBA 211 - Business Software Applications
- BADM 216 - Statistics for Business and Economics I
- BADM 412 - Business Law
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- FINC 320 - Financial Management
- FINC 360 - Principles of Risk Management and Insurance
- FINC 410 - Investments
- FINC 461 - Corporate and Financial Risk Management
- FINC 462 - Employee Benefits and Retirement Planning
- FINC 463 - Commercial Property and Liability Insurance
- ISBA 300 - Information Systems Theory and Practice
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- MKTG 311 - Principles of Marketing

One of the following:

- FINC 323 - Money, Banking, and Monetary Policy
- ECON 322 - Money, Banking and Monetary Policy

One of the following:

- ISBA 411 - Excel Analytics
- ISBA 412 - Business Analytics

Banking and Finance Electives: 6 Credits

Select two from FINC 400-499 (ACCT 424 may be used to satisfy one of the FINC 400-499 requirements)

Free Electives: 11 Credits

Total Credit Hours: 120

## **Business Administration, Healthcare Management Concentration, B.S.**

### **Other Program Requirements for Business Administration Students**

- Business Administration majors must earn a grade of at least "C" in all of their 300 and 400 level courses with business prefixes.
- Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.
- Students in minor programs must earn a grade of C or higher in ACCT 211 and ECON 211 (or ECON 212).
- Students in minor programs must maintain an overall minor GPA of 2.0 or better.

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission Requirements" for College of Business and Economics.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II

- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics

- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Required Business Courses: 37 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
  
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
  
- BADM 216 - Statistics for Business and Economics I
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- ISBA 300 - Information Systems Theory and Practice
- MKTG 311 - Principles of Marketing

Healthcare Management Courses: 15 Credits

- HCM 310 - Organization of Health Care System
- HCM 330 - Healthcare Policy and Law
- HCM 350 - Healthcare Quality Management
- HCM 450 - Healthcare Senior Seminar  
or
- HCM 460 - Health Services Research I
- HCM 490 - Healthcare Internship  
or
- HCM 461 - Health Services Research II

Business Electives (at 300-499 level): 15 Credits

- ACCT 300-499
- BADM 300-499
- ECON 300-499
- ENTR 300-499
- FINC 300-499

- HCM 300-499
- MGMT 300-499
- MIS 301-ISBA 499
- MKTG 300-499

Free Electives: 14 Credits

Total Credit Hours: 120

## **Business Administration, Information Systems and Business Analytics, B.S.**

### **Other Program Requirements for Business Administration Students**

- Business Administration majors must earn a grade of at least "C" in all of their 300 and 400 level courses with business prefixes.
- Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.
- Students in minor programs must earn a grade of C or higher in ACCT 211 and ECON 211 (or ECON 212).
- Students in minor programs must maintain an overall minor GPA of 2.0 or better.

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission Requirements" for College of Business and Economics.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:



- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II

- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
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- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Required Business Courses: 37 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
  
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
  
- BADM 216 - Statistics for Business and Economics I
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- ISBA 300 - Information Systems Theory and Practice
- MKTG 311 - Principles of Marketing

Information Systems and Business Analytics Courses: 24 Credits

- ISBA 312 - Introduction to Business Analytics
- ISBA 320 - Database Management Systems
- ISBA 321 - Advanced Database Management
- ISBA 330 - System Analysis and Design
- ISBA 411 - Excel Analytics

Select three (9 credit hours) from:

- ISBA 301-449 (students can take MGMT 491, MGMT 492, CSC 270 as ISBA electives)

Business Electives (at 300-499 level): 6 Credits

Select two courses (6 credit hours) from ACCT, BADM, ENTR, FINC, HCM, MGMT, ISBA, and/ or MKTG at the 300-400 level.

Free Electives: 14 Credits

Total Credit Hours: 120

**Healthcare Administration, B.S.**

**Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission Requirements" on the department catalog page.

**Other Major Requirements:** Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 39 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

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- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball

- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

#### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
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- BIOL 131L - General Biology II Laboratory

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
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- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
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- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History



- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Required Business Courses: 31 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
  
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
  
- BADM 216 - Statistics for Business and Economics I
- ECON 211 - Principles of Macroeconomics
- MGMT 311 - Principles of Management
- MKTG 311 - Principles of Marketing
- ISBA 300 - Information Systems Theory and Practice
- FINC 311 - Principles of Finance

Healthcare Management Courses: 21 Credits

- HCM 310 - Organization of Health Care System
- HCM 330 - Healthcare Policy and Law

- HCM 350 - Healthcare Quality Management
- HCM 410 - Human Resource Management for Health Services  
or
- MGMT 410 - Human Resource Management
- HCM 460 - Health Services Research I
- HCM 470 - Healthcare Strategy  
or
- MGMT 470 - Strategic Management
- HCM 490 - Healthcare Internship  
or
- HCM 461 - Health Services Research II

Other Program Requirements: 3 Credits

- HIT 360 - Healthcare Information Systems

HCM or HIT Electives: 9 Credits

- FINC 336 or HCM or HIT electives (300-499 level)

Free Electives: 17 Credits

Total Credit Hours: 120

## **Healthcare Administration, Risk Management and Insurance Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission Requirements" on the department catalog page.

**Other Major Requirements:** Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

## University College Core Curriculum: 39 Credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Lab
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Lab
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory

- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Laboratory
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

#### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

#### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

#### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action

- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Required Business Courses: 43 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
- BADM 216 - Statistics for Business and Economics I
- BADM 412 - Business Law
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- ISBA 300 - Information Systems Theory and Practice
- FINC 360 - Principles of Risk Management and Insurance
- FINC 461 - Corporate and Financial Risk Management
- FINC 462 - Employee Benefits and Retirement Planning
- MGMT 311 - Principles of Management
- MKTG 311 - Principles of Marketing

Healthcare Management Courses: 21 Credits

- HCM 310 - Organization of Health Care System
- HCM 330 - Healthcare Policy and Law
- HCM 350 - Healthcare Quality Management
- HCM 410 - Human Resource Management for Health Services  
or
- MGMT 410 - Human Resource Management
- HCM 460 - Health Services Research I
- HCM 470 - Healthcare Strategy  
or
- MGMT 470 - Strategic Management
- HCM 490 - Healthcare Internship



or

- HCM 461 - Health Services Research II

Other Program Requirements: 3 Credits

- HIT 360 - Healthcare Information Systems

FINC Electives: 9 Credits

- Select three from FINC 400-499 (ACCT 424 may be used to satisfy one of the FINC 400-499 requirements)

Free Electives: 5 Credits

Total Credit Hours: 120

## **Information Systems and Business Analytics, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission and Graduation Requirements" for College of Business and Economics.

**Other Major Requirements:** Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II

- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I

- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I

- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

### Required Business Courses: 37 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
  
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
  
- BADM 216 - Statistics for Business and Economics I
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- ISBA 300 - Information Systems Theory and Practice
- MKTG 311 - Principles of Marketing

### Information Systems and Business Analytics Courses: 24 Credits

- ISBA 312 - Introduction to Business Analytics
- ISBA 320 - Database Management Systems
- ISBA 321 - Advanced Database Management
- ISBA 330 - System Analysis and Design
- ISBA 411 - Excel Analytics
- Select three (9 credit hours) from ISBA 300-ISBA 499. Students can take MGMT 491, MGMT 492, and CSC 270 as ISBA electives.

### Other Program Requirements: 6 Credits

Select two (6 credit hours) from:

- ACCT
- BADM
- ENTR
- FINC
- HCM
- ISBA
- MGMT
- MKTG at the 300-400 level

Free Electives: 14 Credits

Total Credit Hours: 120

## **Minor**

### **Accounting for Business Majors Minor**

#### Minor Requirements

Grade of B or higher in ACCT 211 and ACCT 212 plus an overall GPA of 2.5 or higher. Students must have a GPA of 2.5 or higher in Accounting courses to receive the Accounting minor.

- ACCT 311 - Intermediate Accounting I
- ACCT 312 - Intermediate Accounting II

Two of the following:

- ACCT 320 - Federal and State Income Taxes
- ACCT 321 - Cost Accounting
- ACCT 411 - Advanced Accounting
- ACCT 412 - Government and Public Accounting
- ACCT 422 - Auditing
- BADM 412 - Business Law

Total Credit Hours: 12

### **Accounting for Non-Business Major Minor**

#### Minor Requirements

Grade of C or higher in ACCT 211 and ECON 212 plus an overall minor GPA of 2.5 or higher.

- ACCT 211 - Principles of Accounting I
- ECON 212 - Principles of Microeconomics
- ACCT 311 - Intermediate Accounting I
- ACCT 312 - Intermediate Accounting II
- Two 300-400 level ACCT courses

Total Credit Hours: 18

### **Finance Minor**

#### Minor Requirements

Grade of C or higher in ACCT 211 and ECON 211 and ECON 212 plus an overall minor GPA of 2.0 or higher.

- ACCT 211 - Principles of Accounting I
- ECON 211 - Principles of Macroeconomics

- ECON 212 - Principles of Microeconomics
- FINC 311 - Principles of Finance
- FINC 320 - Financial Management
- One 300-400 level FINC course.

Total Credit Hours: 18

## **Healthcare Information Technology for Healthcare Administration Majors Minor**

### Minor Requirements

SBE majors are expected to complete 9 additional hours of course work beyond major requirements. HCM minor courses may not be used to fulfill business electives for major requirements.

- HIT 370 - Healthcare Information Applications  
or ISBA 320 - Database Management Systems
- HIT 380 - Healthcare Business Intelligence  
or MIS 412 - Business Analytics
- HCM 313 - Medical Coding for Managers  
or one HIT or MIS elective (300-499). Must be selected in consultation with advisor.

Total Credit Hours: 9

## **Healthcare Information Technology Minor**

### Minor Requirements

SBE majors are expected to complete 12 additional hours of course work beyond major requirements. HCM minor courses may not be used to fulfill business electives for major requirements.

- HIT 360 - Healthcare Information Systems
- HIT 370 - Healthcare Information Applications  
or
- ISBA 320 - Database Management Systems
- HIT 380 - Healthcare Business Intelligence  
or
- ISBA 412 - Business Analytics
- One 300-499 level HIT or MIS elective (must be selected in consultation with advisor)  
or
- HCM 313 - Medical Coding for Managers

Total Credit Hours: 12



## **Healthcare Management for All Majors Minor**

### Minor Requirements

SBE majors are expected to complete 9-15 additional hours of course work beyond major requirements. HCM minor courses may not be used to fulfill business electives for major requirements.

- HCM 310 - Organization of Health Care System
  - HCM 330 - Healthcare Policy and Law
  - HCM 350 - Healthcare Quality Management
  - FINC 336 - Healthcare Finance
- and one HCM or HIT elective (300-400 level) or two HCM or HIT electives (300-400 level)

Total Credit Hours: 15

## **Information Systems and Business Analytics for Business Majors Minor**

### Minor Requirements

Grade of C or higher in all courses.

- ISBA 300 - Information Systems Theory and Practice
- ISBA 320 - Database Management Systems
- ISBA 330 - System Analysis and Design
- Two ISBA electives (300 level or above)

Total Credit Hours: 15

## **Information Systems and Business Analytics for Non-Business Majors Minor**

### Minor Requirements

Grade of C or higher in all courses.

- BADM 214 - Microcomputer Applications in Business
- ISBA 211 - Business Software Applications
- CSC 100 - Introduction to Computers
- ISBA 300 - Information Systems Theory and Practice
- ISBA 320 - Database Management Systems
- ISBA 330 - System Analysis and Design
- Two ISBA electives (300 level or above)

Total Credit Hours: 18

## **Legal Studies in Business for Non-Business Majors Minor**

### Minor Requirements

Grade of C or higher in ACCT 211 and ECON 211 or ECON 212 plus an overall minor GPA of 2.0 or higher.

- ACCT 211 - Principles of Accounting I
- BADM 209 - Legal Environments of Business
- BADM 412 - Business Law
- Two sections of BADM 490 (special topics)
  
- ECON 211 - Principles of Macroeconomics  
or
- ECON 212 - Principles of Microeconomics

Total Credit Hours: 18

## **Certificate**

### **Accounting Certificate Program**

#### Certificate Requirements

Grade of C or higher in all courses. The thirty credits must be approved ACCT and BADM courses.

Total Credit Hours: 30

# **Department of Management, Marketing, Entrepreneurship, and Fire and Emergency Services Administration**

The Department of Management, Marketing, Entrepreneurship, and Fire and Emergency Services Administration offers the Bachelor of Science degree in Business Administration, which is available in four concentrations: general business, management, marketing, and entrepreneurship. Students in business administration are able (and encouraged) to take more than one concentration, such as management and marketing, management and entrepreneurship, or marketing and entrepreneurship. Degree plans are available upon request. The department also offers a Bachelor of Science degree in Fire and Emergency Services Administration.

The objectives of the department are to: 1) guide students in the mastery of the techniques, specialized skills, and managerial procedures that will enable them to function effectively as managers, marketers or entrepreneurs; 2) provide the educational background necessary for those who wish to pursue graduate studies in business-related areas; 3) increase student awareness of social, cross-cultural, economic, and political issues affecting different areas of decision-making; 4) strengthen written and oral communication capabilities; 5) stimulate research activity among students through class assignments that develop analytical skills, and the knowledge required to use state-of-the-art information technology tools; and; 6) develop in students the awareness of the responsibilities for good citizenship, which will result in active and concerned participation in community projects and programs.

This department also offers minor degrees in General Business Administration, Management, Marketing, and Entrepreneurship for non-business majors, and a minor degree in Economics for all majors. The minor degree programs require 15-18 credit hours of selected business courses.

The department offers seminar courses with topics that vary based upon the current trends and developments in the topic areas. The following seminar courses can be used multiple times to fulfill separate business elective requirements, provided the course titles are different: BADM 490, ECON 440, ECON 460, ENTR 460, MKTG 490.

## **Learning Outcomes**

### **B.S. Business Administration Degree Program**

- Students will demonstrate competencies in current core departmental business disciplines.
- Students will assess global business opportunities and threats.
- Students will exhibit analytical thinking to a business subject, identify information needed, access appropriate resources to make evidence-based decisions.
- Students will demonstrate the ability to communicate effectively.
- Students will demonstrate ethical and professional workplace behaviors.

### **B.S. Fire and Emergency Services Administration Degree Program**

- Students will be able to define and explain major concepts in the area of fire and emergency services administration.

- Students will be able to apply scientific knowledge to develop new solutions to solve administrative issues in the fire and emergency services.
- Students will be able to apply knowledge of fire and emergency services administration by working with stakeholders in the community through the study of political, economic, social, and historical contexts of fire and emergency services.
- Students will demonstrate the ability to read, interpret, and review scientific information regarding the fire and emergency services.
- Students will be able to communicate fire and emergency services related knowledge in both discussions and written forms.

## Major

### **Business Administration, Entrepreneurship Concentration, B.S.**

## Other Program Requirements for Business Administration Students

- Business Administration majors must earn a grade of at least "C" in all their 300 and 400 level business courses for graduation.
- Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214 or ISBA 211, BADM 215, and BADM 216 in accordance with the Broadwell College of Business and Economics admission policy.
- Students in minor programs must earn a grade of C or higher in ACCT 211 and ECON 211 (or ECON 212).
- Students in minor programs must maintain an overall minor GPA of 2.0 or better.

## Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission Requirements" for College of Business and Economics.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications
- or
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

## Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I

- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues



- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Required Business Courses: 40 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
  
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
  
- BADM 216 - Statistics for Business and Economics I
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- ISBA 300 - Information Systems Theory and Practice
- MKTG 311 - Principles of Marketing
- ECON elective (300-499 level)

#### Entrepreneurship Courses: 18 Credits

- ENTR 300 - Entrepreneurial Discovery and Creativity and
- ENTR 301 - Entrepreneurship and New Venture Creation  
or
- ECON 301 - Entrepreneurship and New Venture Creation and
- ENTR 303 - Entrepreneurial Strategy and Opportunity Analysis  
or
- ECON 303 - Entrepreneurial Strategy and Opportunity Analysis and
- ENTR 312 - Entrepreneurial Marketing  
or
- MKTG 312 - Entrepreneurial Marketing and
- ENTR 415 - Entrepreneurial Finance  
or
- FINC 415 - Entrepreneurial Finance

One of the following:

- MGMT 350 - Entrepreneurship or
- ENTR 350 - Entrepreneurship
- MGMT 450 - Small Business Management or
- ENTR 450 - Small Business Management
- MGMT 460 - Corporate Entrepreneurship
- ECON 460 - Seminar in Entrepreneurship and New Venture Creation or
- ENTR 460 - Seminar in Entrepreneurship and New Venture Creation

Other Program Requirements: 3 Credits

- ENGL 344 - Business and Professional Writing

Business Electives (at 300-499 level): 6 Credits

- ACCT 300-499
- BADM 300-499
- ECON 300-499
- ENTR 300-499
- FINC 300-499
- HCM 300-499
- MGMT 300-499
- ISBA 301-499
- MKTG 300-499

Free Electives: 14 Credits

Total Credit Hours: 120

## **Business Administration, General Business Concentration, B.S.**

### **Other Program Requirements for Business Administration Students**

- Business Administration majors must earn a grade of at least "C" in all their 300 and 400 level business courses for graduation.
- Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214 or ISBA 211, BADM 215, and BADM 216 in accordance with the Broadwell College of Business and Economics admission policy.
- Students in minor programs must earn a grade of C or higher in ACCT 211 and ECON 211 (or ECON 212).
- Students in minor programs must maintain an overall minor GPA of 2.0 or better.

# Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission and Graduation Requirements" for Broadwell College of Business and Economics.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball

- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications  
or
- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

#### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory

- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

#### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

#### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Required Business Courses: 40 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
  
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
  
- BADM 216 - Statistics for Business and Economics I
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- ISBA 300 - Information Systems Theory and Practice
- MKTG 311 - Principles of Marketing
- ECON elective (300-499 level)

General Business Courses: 18 Credits

Select six courses from the following:

- ACCT 300-499
- BADM 300-499
- ECON 300-499
- ENTR 300-499
- FINC 300-499
- HCM 300-499
- ISBA 301-499
- MGMT 300-499
- MKTG 300-499

Other Program Requirements: 3 Credits

- ENGL 344 - Business and Professional Writing

Business Electives (at 300-499 level): 6 Credits

- ACCT 300-499
- BADM 300-499
- ECON 300-499
- ENTR 300-499
- FINC 300-499
- HCM 300-499
- MGMT 300-499
- ISBA 301-499
- MKTG 300-499

Free Electives: 14 Credits

Total Credit Hours: 120

**Business Administration, Management Concentration, B.S.**

**Other Program Requirements for Business Administration Students**

- Business Administration majors must earn a grade of at least "C" in all their 300 and 400 level business courses for graduation.
- Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214 or ISBA 211, BADM 215, and BADM 216 in accordance with the Broadwell College of Business and Economics admission policy.
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# Program Requirements

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Select one option from the following:

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- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball

- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications  
or
- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

#### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

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- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory

- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
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- ENEC 201 - Nature, Environment, and Ecology I
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- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I

#### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

#### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature

- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- COHE 200 - Introduction to Community Health
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services
- SPTM 210 - Ethics and Moral Reasoning in Sport

Program Requirements: 81 Credits

Required Business Courses: 40 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
  
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
  
- BADM 216 - Statistics for Business and Economics I
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- ISBA 300 - Information Systems Theory and Practice
- MKTG 311 - Principles of Marketing
- ECON elective (300-499 level)

## Management Courses: 18 Credits

Select one of the following options:

### Option 1: Management Concentration - General Track

- MGMT 325 - Quantitative Methods for Business
- MGMT 410 - Human Resource Management
- MGMT 420 - Organizational Behavior
- MGMT 421 - Quality Management
- MGMT 425 - International Business Management
- MGMT 450 - Small Business Management

### Option 2: Management Concentration - Human Resource Management Track

Students that successfully complete this option, as well as required experiences, will prepare to take the Society of Human Resource Management (SHRM) examination to earn the SHRM Certified Professional (SHRM-CP) Certificate.

- MGMT 410 - Human Resource Management
- MGMT 411 - Compensation and Benefits Management
- MGMT 412 - Employment Law
- MGMT 415 - HR Staffing and Development
- MGMT 420 - Organizational Behavior
- MGMT 440 - Strategic Human Resource Management

### Option 3: Management Concentration - Enterprise Resource Planning (ERP) System Management Track

Students that successfully complete this option will earn an SAP Recognition Award from SAP NextGen. This track will support student preparation for the SAP TS410 examination for SAP Consultant Certification.

- MGMT 325 - Quantitative Methods for Business
- MGMT 491 - Introduction to ERP and Business Processes
- MGMT 492 - Electronic Business Management
- MGMT 493 - Operations Planning and Control
- MGMT 494 - Purchasing and Materials Management
- An additional 300-400 level MGMT course

### Option 4: Management Concentration - Disaster Management Track

Students that successfully complete this option will take a number of FEMA certification examinations in their courses (see below).

- MGMT 302 - Disaster Management (FEMA certificate IS 100 - Introduction to Incident Command System)

- MGMT 303 - Business Continuity of Operations (FEMA certificate IS 545 - Reconstitution Planning Course)
- MGMT 404 - Occupational Safety and Health (OSHA) Standards for Business and Industry (FEMA certificate IS 200b - Incident Command System for Single Resources and Initial Action Plan)
- MGMT 405 - Critical Infrastructure: Identification, Vulnerability, and Threat Assessment (FEMA certificate IS 913a - Critical Infrastructure Security and Resilience: Achieving Results through Partnership and Collaboration)
- MGMT 406 - Laws and Regulations in Disaster Management (FEMA certificate IS 700b - National Incident Management System (NIMS))
- MGMT 407 - Crisis Management and Emergency Preparedness (FEMA certificate IS 800c - National Response Framework (NRF))

#### Option 5: Management Concentration - Retail and Service Management Track

- MGMT 390 - Supply Chain Management
- MGMT 410 - Human Resource Management
- MGMT 420 - Organizational Behavior
- MKTG 330 - Retailing
- MKTG 331 - Consumer Behavior
  
- BADM 430 - Business Internship  
or
- BADM 490 - Seminar in Business Administration

#### Other Program Requirements: 3 Credits

- ENGL 344 - Business and Professional Writing

#### Business Electives (at 300-499 level): 6 Credits

- ACCT 300-499
- BADM 300-499
- ECON 300-499
- ENTR 300-499
- FINC 300-499
- HCM 300-499
- MGMT 300-499
- ISBA 301-499
- MKTG 300-499

Free Electives: 14 Credits

Total Credit Hours: 120

### **Business Administration, Marketing Concentration, B.S.**

## Other Program Requirements for Business Administration Students

- Business Administration majors must earn a grade of at least "C" in all their 300 and 400 level business courses for graduation.
- Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214 or ISBA 211, BADM 215, and BADM 216 in accordance with the Broadwell College of Business and Economics admission policy.
- Students in minor programs must earn a grade of C or higher in ACCT 211 and ECON 211 (or ECON 212).
- Students in minor programs must maintain an overall minor GPA of 2.0 or better.

## Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission and Graduation Requirements" for Broadwell College of Business and Economics.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits



Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications  
or
- SPEE 200 - Introduction to Speech

Information Literacy: 3 Credits

- ENGL 120 - English Composition II

Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions

- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Required Business Courses: 40 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business

- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
- BADM 216 - Statistics for Business and Economics I
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- ISBA 300 - Information Systems Theory and Practice
- MKTG 311 - Principles of Marketing
- ECON elective (300-499 level)

#### Marketing Requirements: 18 Credits

- MKTG 322 - Advertising
- MKTG 331 - Consumer Behavior
- MKTG 333 - Social Media and Digital Marketing
- MKTG 421 - International Marketing
- Any two MKTG electives (300-499 level)

#### Other Program Requirements: 3 Credits

- ENGL 344 - Business and Professional Writing

#### Business Electives (at 300-499 level): 6 Credits

- ACCT 300-499
- BADM 300-499
- ECON 300-499
- ENTR 300-499
- FINC 300-499
- HCM 300-499
- MGMT 300-499
- ISBA 301- 499
- MKTG 300-499

#### Free Electives: 14 Credits

Total Credit Hours: 120

## **Business Administration, Risk Management and Insurance Concentration, B.S.**

### **Other Program Requirements for Business Administration Students**

- Business Administration majors must earn a grade of at least "C" in all of their 300 and 400 level courses with business prefixes.
- Students must earn a grade of at least "C" in the following courses: ACCT 211, ECON 211 or ECON 212, BADM 214, BADM 215, and BADM 216 in accordance with the College of Business and Economics admission policy.
- Students in minor programs must earn a grade of C or higher in ACCT 211 and ECON 211 (or ECON 212).
- Students in minor programs must maintain an overall minor GPA of 2.0 or better.

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission Requirements" for College of Business and Economics.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications

Information Literacy: 3 Credits

- ENGL 120 - English Composition II

Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra

Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Lab
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Lab
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Laboratory
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

Humanities and Creative Arts: 3 Credits



Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I

- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Required Business Courses: 40 Credits

- ACCT 211 - Principles of Accounting I
- ACCT 212 - Principles of Accounting II
- BADM 209 - Legal Environments of Business
- BADM 214 - Microcomputer Applications in Business  
or
- ISBA 211 - Business Software Applications
- BADM 216 - Statistics for Business and Economics I

- BADM 412 - Business Law
- ECON 211 - Principles of Macroeconomics
- FINC 311 - Principles of Finance
- ISBA 300 - Information Systems Theory and Practice
- MGMT 311 - Principles of Management
- MGMT 335 - Operations Management
- MGMT 470 - Strategic Management
- MKTG 311 - Principles of Marketing

#### Risk Management Courses: 15 Credits

- FINC 360 - Principles of Risk Management and Insurance
- FINC 461 - Corporate and Financial Risk Management
- FINC 462 - Employee Benefits and Retirement Planning
- FINC 463 - Commercial Property and Liability Insurance

Select one (or three credit hours) from:

- FINC 400 or above

#### Business Electives (at 300-499 level): 15 Credits

- ACCT 300-499
- BADM 300-499
- ECON 300-499
- ENTR 300-499
- FINC 300-499
- HCM 300-499
- ISBA 301-499
- MGMT 300-499
- MKTG 300-499

Free Electives: 11 Credits

Total Credit Hours: 120

### **Fire and Emergency Services Administration, B.S.**

## **Admission Requirements for Bachelor of Science in Fire and Emergency Services Administration**

The Bachelor of Science in Fire and Emergency Services Administration degree program is a 2+2 program in partnership with accredited community colleges using an on-line delivery system. The program is fully online.

Some requirements must be completed through an accredited community college. Students with an Associates of Applied Science in Fire Protection Technology from an accredited community college will apply directly to Fayetteville State University for admission. University College Core Courses needed for the program may be completed on the FSU campus, but these courses will not have on-line delivery. It is the responsibility of the student to ensure all deficiencies are met prior to graduation.

Admission Requirements: Admission to the Fire and Emergency Services Administration major requires a minimum of 60 transferable credit hours with a GPA of 2.0 or higher.

Admission Requirements: Fire Service Related Education and/or Experience

The Fire and Emergency Services Administration program has been designed as a bachelor's degree completion program. Students admitted under dual enrollment status will be eligible to transfer up to 84 community college credit hours. Students not participating in the dual enrollment feature can transfer up to 90 credit hours from community colleges or universities providing that all of those credits have been completed prior to admission to Fayetteville State University. Therefore, prior to formal admission, the applicant should meet one of the following criteria:

1. A regionally accredited A.A.S. in a fire service related disciplines.
2. A regionally accredited A.A.S., A.A., or A.G.S. in any discipline.
3. A student seeking a second bachelor's degree.

## **Other Program Requirements for Bachelor of Science in Fire and Emergency Services Administration**

1. Student must receive a "C" or higher in all Natural Science and Fire and Emergency Services Administration courses with a cumulative GPA of 2.0 or higher for graduation.

## **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See "Admission Requirements" above.

**Other Major Requirements:** Grade of C or higher in all natural science and fire and emergency services administration courses with a cumulative GPA of 2.0 or higher for graduation.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 100 - Individual Physical Education Activities
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- HEA 110 (NCCCS equivalent)
- PED 110 (NCCCS equivalent)
- FESA 345 - Firefighter Fitness and Wellness
- Or approved equivalent from an accredited college or university

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I
- or
- ENG 111 (NCCCS equivalent)
  
- Or approved equivalent from an accredited college or university

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech
- COM 231 (NCCCS equivalent)
- FIP 224 (NCCCS equivalent)
- Or NC/NFPA Instructor Level I certification
- Or approved equivalent from an accredited college or university

### Information Literacy: 3 Credits

Select one from the following

- ENGL 120 - English Composition II
- ENG 112 (NCCCS equivalent)
- ENG 113 (NCCCS equivalent)
- ENG 114 (NCCCS equivalent)
- Or approved equivalent from an accredited college or university

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics
- MAT 140 (NCCCS equivalent)
- MAT 151 (NCCCS equivalent)
- MAT 161 (NCCCS equivalent)
- Or approved equivalent from an accredited college or university

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory
  
- FIP 229 (NCCCS equivalent) and

- FIP 230 (NCCCS equivalent)
- Emergency Medical Technician certification (NCCCS equivalent)
- Hazardous Materials Technician certification (NCCCS equivalent)
- Or approved equivalents (courses and labs) from an accredited college or university

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology
- HIS 132 (NCCCS equivalent)
- POL 120 (NCCCS equivalent)
- POL 130 (NCCCS equivalent)
- PSY 150 (NCCCS equivalent)
- SOC 210 (NCCCS equivalent)
- FIP 152 (NCCCS equivalent)
- FIP 256 (NCCCS equivalent)
- Or approved equivalent from an accredited college or university

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance



- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre
- ART 111 (NCCCS equivalent)
- ENG 131 (NCCCS equivalent)
- HUM 110 (NCCCS equivalent)
- HUM 121 (NCCCS equivalent)
- HUM 211 (NCCCS equivalent)
- HUM 212 (NCCCS equivalent)
- MUS 110 (NCCCS equivalent)
- DRA 211 (NCCCS equivalent)
- Or approved equivalent from an accredited college or university

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I

- YORU 120 - Elementary Yoruba II
- ANT 210 (NCCCS equivalent)
- ENG 261 (NCCCS equivalent)
- ENG 262 (NCCCS equivalent)
- GEO 112 (NCCCS equivalent)
- HIS 111 (NCCCS equivalent)
- HIS 112 (NCCCS equivalent)
- REL 110 (NCCCS equivalent)
- SPA 111 (NCCCS equivalent)
- SPA 112 (NCCCS equivalent)
- Or approved equivalent from an accredited college or university

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services
- CJC 212 (NCCCS equivalent)
- PHI 240 (NCCCS equivalent)
- Or approved equivalent from an accredited college or university

### Program Requirements: 82 Credits

Fire Protection Technology/ Emergency Preparedness Technology Courses (Major 100/200 Transferable Coursework): 37 Credits

Select from the following:

- FIP 120
- FIP 124
- FIP 128
- FIP 132
- FIP 136
- FIP 140
- FIP 144
- FIP 148
- FIP 152
- FIP 156
- FIP 160
- FIP 160A
- FIP 164
- FIP 176
- FIP 180
- FIP 184
- FIP 188
- FIP 220
- FIP 221
- FIP 224
- FIP 228
- FIP 232
- FIP 236
- FIP 240
- FIP 244
- FIP 248
- FIP 252
- FIP 256
- FIP 260
- FIP 264
- FIP 268
- FIP 272
- FIP 276
- FIP 277
- EPT 120
- EPT 124
- EPT 130
- EPT 150
- EPT 210
- EPT 220
- EPT 225
- EPT 230
- EPT 260
- EPT 275

- EPT 280

### Fire Science Core Curriculum: 33 Credits

- FESA 322 - Fire Investigations
- FESA 350 - Fire Prevention Organization and Management
- FESA 360 - Applied Fire Service Ethics
- FESA 377 - Fire-Related Human Behavior
- FESA 400 - Political and Legal Foundations of Fire Protection
- FESA 402 - Managerial Issues in an All Hazards Environment
- FESA 412 - Advanced Fire Administration
- FESA 422 - Applications of Fire Research
- FESA 430 - Fire Service Personnel Administration
- FESA 440 - Fire Service Organizational Dynamics
- FESA 455 - Community Risk Reduction for Fire and Emergency Services

### Required Elective Courses: 6 Credits

Choose six hours from:

- FESA 421 - Incendiary Fire Analysis and Investigation  
and
- FESA 441 - Topics in Fire Department Management  
or
- FESA 490 - Fire Service Internship

### Other Requirements: 6 Credits

- CSC 100 - Introduction to Computers
- CIS 110 (NC Community College equivalent)
- One course from Humanities and Creative Arts, Scientific Literacy-Social Sciences, Global Literacy,

Total Credit Hours: 120

## **Minor**

### **Economics for Business Majors Minor**

#### Minor Requirements

Grade of C or higher in all minor requirements.

- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- Six credits of ECON electives, excluding ECON 200.

Total Credit Hours: 15

## **Economics for Non-Business Majors Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ECON 322 - Money, Banking and Monetary Policy
- Nine credits of ECON electives, excluding ECON 200.

Total Credit Hours: 18

## **Entrepreneurship for Non-Business Majors Minor**

### Minor Requirements

Grade of C or higher in ACCT 211 and ECON 212 plus an overall minor GPA of 2.0 or higher.

- ACCT 211 - Principles of Accounting I
- ECON 212 - Principles of Microeconomics
- ECON 301 - Entrepreneurship and New Venture Creation or
- ENTR 301 - Entrepreneurship and New Venture Creation
- ENTR 415 - Entrepreneurial Finance or
- FINC 415 - Entrepreneurial Finance
- Two 300-400 level courses from: ACCT, BADM, ECON, ENTR, FINC, HCM, MIS, MKTG, MGMT

Total Credit Hours: 18

## **General Business Administration for Non-Business Majors Minor**

### Minor Requirements

- ACCT 211 - Principles of Accounting I
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- FINC 311 - Principles of Finance
- MGMT 311 - Principles of Management
- MKTG 311 - Principles of Marketing
- One 300-400 level course in BADM, ENTR, MGMT or MKTG

Total Credit Hours: 18

## **Management for Non-Business Majors Minor**

### Minor Requirements

- ACCT 211 - Principles of Accounting I
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- MGMT 311 - Principles of Management
- MGMT 410 - Human Resource Management
- MGMT 420 - Organizational Behavior
- MGMT 425 - International Business Management

Total Credit Hours: 18

## **Marketing for Non-Business Majors Minor**

### Minor Requirements

Grade of C or higher in ACCT 211 and ECON 211 and ECON 212 plus an overall minor GPA of 2.0 or higher.

- ACCT 211 - Principles of Accounting I
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- MKTG 311 - Principles of Marketing
- Three 300-400 level courses in MKTG.

Total Credit Hours: 18

# College of Education

In support of the mission of Fayetteville State University, the College of Education is committed to educating and preparing individuals at the undergraduate and graduate levels for professions in the fields of education, research, and service. The College of Education meets rigorous professional standards for the preparation of teachers and other school specialists (NCATE) and is nationally accredited by the Council for the Accreditation of Educator Preparation. The College of Education seeks to prepare the education professional as a facilitator of learning through the development of cognitive, psychomotor, and affective learning patterns. The College of Education is further committed to providing leadership in teacher education throughout the region, state, and nation.

Three academic departments assist in executing the mission of the College of Education: Early Childhood, Elementary, Middle Grades, Reading, and Special Education; Health, Physical, and Secondary Education; and Educational Leadership and School Administration. The College of Education also includes the following support units: the Curriculum Learning Resource Center, the Office of Teacher Education, the Office of School Services, The Academic Advisement and Retention Center, and the Early Childhood Learning Center.

## Admission Requirements for Educator Preparation Program Majors

Effective July 1, 2017 in response to General Assembly House Bill 97: Mandates for Educator Preparation Programs, a 2.7 overall GPA will be required for admission to all Educator Preparation Program degree and licensure programs and the cohort of candidates admitted must meet or exceed a mean GPA of 3.0. Effective July 1, 2018, a 2.7 overall GPA will be required for graduating from all Educator Preparation Program degree and licensure programs.

## University College Core Curriculum

The successful completion of the University College Core Curriculum requirements is the initial step in the educator preparation admission process. A demonstrated proficiency in reading and mathematics and an overall GPA of 2.7 (3.0 preferred) are also required.

Transfer students must meet the same standards as first-time freshmen in completing the University College Core Curriculum requirements.

**A student wishing to declare a major in any College of Education program must demonstrate the following:**

- Completion of EDUC 211 with a grade of C or better (if applicable to program)
- Completion of a minimum of 38 credit hours earned with a minimum grade point average of 2.7 (3.0 preferred)
- Completion of a Declaration of Major form (scroll down to the appropriate degree)
- Completion of the Praxis CASE tests (or SAT/ACT scores) required by the State of North Carolina for the admission to educator preparation programs.

If a student does not meet the requirements to declare a major in a teacher education program housed in the College of Education, s/he may apply for a pre-education major status at the end of the freshman year. The pre-major status provides an opportunity for the education faculty and the pre-education student to work towards achieving the requirements to declare the major (and ultimately be admitted to teacher education) and allows the student to determine whether or not a degree in teacher education is an appropriate fit for his/her career goals.

**Admission as a pre-major does not guarantee admission to the major.**

**A student declaring a pre-education major must meet the following requirements:**

- Completion of a Declaration of Major form (scroll down to Pre-Education)

Once a student has been accepted as a pre-education major, a pre-education major advisor will be assigned. The pre-education major advisor will work with the student to verify satisfactory progress towards the declaration of major. The pre-education major student and the pre-education major advisor must participate in at least two advisement meetings each semester. The pre-education major must declare a major as soon as s/he is eligible. A student can be in a pre-education major status for two consecutive semesters. The student must then declare a major if eligible or request an additional semester in the pre-education major status or change his/her major.

Moving from a pre-education major status to major status requires completion of the online Change Major form prior to making a request/ application for admission to the educator preparation program. **Admission as a pre-major and major do not guarantee admission to the educator preparation program.**

## Academic Progress within the Major

An education major who fails to maintain a cumulative GPA of at least 2.7 will be required to complete an Academic Success Plan with his/her advisors and will be permitted to enroll in a maximum of 15 credits for the subsequent semester. Students on probation will be required to complete an Academic Success Plan with their advisors.

If an education major's GPA is below 2.7 for two consecutive semesters, the student will be placed on academic suspension and will not be permitted to enroll in any education courses without successfully appealing academic suspension through the academic department. **If appeal is denied, the student will be advised into a non-education major.** Academic Suspension does not apply to summer sessions. Students placed on academic suspension after spring semester may enroll in summer courses and are **encouraged to do so.**

## Admission to the Educator Preparation Program

Admission to the Educator Preparation Program is a procedural step for students in teacher education programs. After successfully completing the requirements listed below, students are eligible to apply for admission to the Teacher Education Program. An "Application for Admission to the Teacher Education Program" form should be filed with the department head by the second semester of the sophomore year. The criteria for admission are as follows:

- Completion of the University College Core Curriculum, EDUC 211, and SPED 480.
- A GPA of 2.7 or higher (3.0 preferred).
- Acceptable scores on the Reading, Writing, and Mathematics Tests of the PRAXIS CASE exam. All PRAXIS CASE scores must meet the current state mandated score requirements for admission and licensure purposes. Specific ACT or SAT scores are also considered.
- Verification by the university physician of the applicant's health status and level of physical fitness.



- Verification by the Director of Residence Life of the applicant's acceptable deportment.
- Personal fitness and the interest suitable to the profession of teaching, verified by the Center for Personal Development.
- Criminal background check (Voluntary Disclosure Statement).
- Acceptable scores on the Admission to Teacher Education Interview.
- Completed Application for Admission to Teacher Education form.
- Program of Study/DegreeWorks Audit.
- Final acceptance for admission to the Teacher Education Program by the Teacher Education Committee, based upon documented recommendations from the major area concerned.

Note: Formal admission to Teacher Education is required prior to enrollment in methods courses and clinical experience (formerly student teaching). A criminal background check is required from each candidate after registering in methods courses and before completing the field experience requirement of the methods courses. See each individual program for course listing.

## **Retention in Teacher Education**

Following admission to teacher education, students are required to maintain a GPA of 2.7 or higher (3.0 preferred) and acceptable standards on all other admission criteria. Students must earn a grade of C or higher in all education courses. Students failing to maintain acceptable standards will be automatically suspended from the Teacher Education Program and counseled toward alternative career options.

## **Admission to Clinical Experience (Student Teaching)**

An Application for Clinical Experience (Student Teaching) form must be filed the semester prior to the semester in which the student plans to enroll in the final clinical experience. To be eligible for the Clinical Experience (Student Teaching), the student must have:

- been admitted formally to teacher education and have senior classification.
- completed to the satisfaction of the major area the teaching specialty component requirements that will lead to licensure by the Department of Public Instruction.
- achieved a cumulative GPA of 2.7 or higher (3.0 preferred) and a grade of C or higher in all professional education courses.
- completed all methods courses before being admitted to Clinical Experience (Student Teaching). Education candidates enrolled in methods courses will be considered for admission to Clinical Experience (Student Teaching) pending the satisfactory completion of all methods courses prior to Clinical Experience (Student Teaching) and submission of PRAXIS II/ Pearson scores.
- completed an audit (DegreeWorks Audit or Program of Study) verifying that no course remains to be taken toward the degree.
- completed a criminal background check report.
- completed a satisfactory Admission to Clinical Experience (Student Teaching) interview with the faculty in the major program of study.
- completed a satisfactory Admission to Clinical Experience (Student Teaching) essay.
- been recommended to the Teacher Education Committee by the department chair of the area in which licensure is sought. The Teacher Education Committee must give approval for the Clinical Experience (Student Teaching).

Note: Students who have been approved for admission to Clinical Experience (Student Teaching), but who have not maintained the standards for the internship, will be subject to review by the Teacher Education Committee

before they are allowed to re-enter the program. Education candidates who have been admitted to Clinical Experience (Student Teaching) must also:

- earn a grade of C or higher in Clinical Experience for full licensure as a teacher.
- be enrolled in only the student teaching block courses during the Clinical Experience (Student Teaching) semester. See the Clinical Experience (Student Teaching) handbook.
- successfully complete/submit all three tasks for edTPA.

## Teacher Licensure

Students successfully completing all requirements for graduation and passing the Specialty Area Test of the PRAXIS II Series, edTPA, and/ or Pearson exams are eligible to be recommended for North Carolina licensure. To apply for licensure, students should adhere to the following procedures:

1. File for graduation in the Registrar's Office (B.S. and M.Ed. candidates only).
2. File placement folder with the Career Services Office, if applicable.
3. Request an official transcript after grades are posted.
4. Contact the Office of Teacher Education at (910) 672-1587 or 1266.

## Requirements for Students Seeking Licensure Only

Alternative Routes for Teacher Education Licensure Only Applicants possessing earned baccalaureate and/or master's degrees and seeking licensure in a teaching area must proceed through the alternative route process. The process is described below:

- Students must be admitted to the university through the regular admission process.
- Licensure-only applicants will be admitted as graduate students. (See Graduate Catalog for pursuing licensure and graduate degree.)
- After notification of acceptance by the Office of Admissions, students must officially contact the chair of the department through which licensure is sought. Together, assigned advisors and students will develop a program of courses needed for licensure. The program agreed upon must be reviewed and approved by the department in which licensure is being sought. All courses specified on the program of study must be completed at Fayetteville State University if the license is to be applied for through Fayetteville State University.
- Upon completion of program requirements for entrance to teacher education (**EDUC 211** or **SPED 480** and a cumulative GPA of 2.7 (3.0 preferred), students must apply for admission to teacher education. (Note: Licensure-only students are eligible for financial aid only after official admission to teacher education.)
- Upon completion of all required coursework at Fayetteville State University and maintenance of a 2.7 cumulative GPA, students must apply for admission to Clinical Experience (Student Teaching).
- Upon successful completion of all program requirements and Specialty Area Tests of the PRAXIS II Series, edTPA, and/ or Pearson exams, students can apply for teacher licensure through the licensure application portal on the NC Department of Public Instruction webpage. Students may seek assistance with the application process in the Office of Teacher Education.

## **Residency License (formerly Lateral Entry) Requirements**

To be eligible for the residency license, an individual must be employed by a North Carolina school system as a classroom teacher and hold a bachelor's degree from a regionally accredited institution of higher education. Individuals seeking residency license are required to have their credentials evaluated by the Office of Teacher Education. Students must obtain satisfactory scores on required PRAXIS II Specialty Area Tests/ Pearson exams and have a minimum GPA of 2.7 to be recommended for residency licensure.

# Department of Early Childhood, Elementary, Middle Grades, Reading, and Special Education

The primary mission of the Department of Early Childhood, Elementary, Middle Grades, Reading, and Special Education at Fayetteville State University is to offer programs leading to the Bachelor of Science degree and initial licensure in Elementary and Middle Grades Education as well as the Bachelor of Science degree and initial licensure in Birth through Kindergarten. The elementary education degree and licensure programs prepare facilitators of learning to teach grades K-6, the Birth through Kindergarten degree and licensure program prepares facilitators of learning to teach B-K, the middle grades degree and licensure programs prepare professionals to teach grades 6-9, and the reading licensure programs prepare education professionals for teaching reading in grades K-12. The department also offers a Bachelor of Science degree in Birth through Kindergarten that is non-teaching.

Candidates for the initial teaching license (Bachelor of Science [B.S.] degree, non-degree Licensure Only programs,) will complete a series of Evidence requirements to demonstrate their competence in the North Carolina Professional Teaching Standards. These evidences must be completed during course work and field experiences (if required), and candidates must achieve a minimum rating of Proficient (score of 3.0) on each indicator on the scoring rubrics for course credit and recommendation for licensure. These evidences include the Leadership Family - Community Collaboration Project and the submission of the edTPA portfolio. In addition, candidates who are required to student teach must also achieve a rating of Met on all parts of the final Certification of Teaching Capacity form.

## Learning Outcomes

### Elementary Education

- Teacher candidates will know their content based on the Common Core (Math and Language Arts K-5), the Essential Standards for all content areas, and CAEP.
- Teacher candidates will know how to teach based on the Common Core (Math and Language Arts K-5), the Essential Standards for all content areas, and CAEP.
- Teacher candidates will implement practices that reflect the cognitive, mental, and physical development of P-6 students.
- Teacher candidates will know how to utilize technology to enhance instruction, learning, research, assessment, and data management.
- Teacher candidates will demonstrate leadership skills through the establishment of a safe, orderly, and positive environment.
- Teacher candidates will provide appropriate accommodations and implement teaching strategies for diverse learners.
- Teacher candidates will integrate 21st century knowledge and skills in instruction.
- Teacher candidates will be able to communicate effectively and be reflective practitioners.

### Birth-Kindergarten

- Teacher candidates will know their content based on the Common Core (Math and Language Arts K-5), the Essential Standards for all content areas, and CAEP.

- Teacher candidates will know how to teach based on the Common Core (Math and Language Arts K-5), the Essential Standards for all content areas, and CAEP.
- Teacher candidates will implement practices that reflect the cognitive, mental, and physical development of P-6 students.
- Teacher candidates will know how to utilize technology to enhance instruction, learning, research, assessment, and data management.
- Teacher candidates will demonstrate leadership skills through the establishment of a safe, orderly, and positive environment.
- Teacher candidates will provide appropriate accommodations and implement teaching strategies for diverse learners.
- Teacher candidates will integrate 21st century knowledge and skills in instruction.
- Teacher candidates will be able to communicate effectively, analyze data, and be reflective practitioners.

## **Middle Grades Education**

- Teacher candidates will know their content based on the Common Core State Standards, NC Essential Standards, and CAEP.
- Teacher candidates will know how to teach based on the Common Core State Standards, NC Essential Standards, and CAEP.
- Teacher candidates will implement practices that reflect the cognitive, mental and physical development of 6-9 students.
- Teacher candidates will know how to utilize technology to enhance instruction, learning, research, assessment, and data management.
- Teacher candidates will demonstrate leadership skills through the establishment of a safe, orderly, and positive environment.
- Teacher candidates will provide appropriate accommodations and implement teaching strategies for diverse learners.
- Teacher candidates will integrate 21st century knowledge and skills in instruction.
- Teacher candidates will be able to communicate effectively, analyze data, and be a reflective practitioner.

## **Major**

### **Birth through Kindergarten, Non-Teaching, B.S.**

## **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

## University College Core Curriculum: 38 Credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or

### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- or
- HEED 113 - Health, Fitness, and Wellness

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

### Scientific Literacy - Natural Sciences: 7-8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory (optional)
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

## Program Requirements: 82 Credits

### Professional Education Courses: 18 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 310 - Foundations of Education
- EDUC 311 - Foundations of Multicultural Education and Diversity
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- SPED 320 - Education of the Exceptional Child

### Birth through Kindergarten Major Core: 39 Credits

- EDUC 303 - Teaching the Young Child with Special Needs
- EDUC 306 - Birth Through Kindergarten Curriculum Development
- EDUC 308 - Observation and Assessment in Preschool Education
- EDUC 350 - Introduction to Birth through Kindergarten Education
- EDUC 361 - Family Culture and School
- EDUC 434 - Current Issues and Trends in Early Childhood Education
- HEED 372 - First Aid and Safety Education
- HEED 420 - Nutrition
- READ 370 - Linguistics and Reading
- SOCI 330 - Marriage and Family Relations
- SWRK 220 - Introduction to Human Services
- SWRK 230 - Introduction to Social Work
- HIST 211 - The United States to 1865  
or
- HIST 212 - The United States since 1865

### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

### Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology



## Concentration or Minor: 18 Credits

Complete the requirements for the special education concentration or a minor in another area of study.

### Special Education Concentration

- SPED 410 - Classroom Management Strategies for Exceptional Children
- SPED 415 - Read Skills-Student Disability
- SPED 418 - Math/Write Skill-Student Disab
- SPED 460 - Diagnosis and Evaluation of Exceptional Children
- SPED 465 - Meeting the Instructional Needs of Students with Disabilities
- SPED 480 - Seminar II Exceptional Student Field Experience

### Minor

See catalog listing for minor requirements.

Total Credit Hours: 120

## **Birth through Kindergarten, Teaching, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for Teacher Education Majors on School of Education catalog page.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II

- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

#### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include a lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab

- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 30 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 310 - Foundations of Education
- EDUC 311 - Foundations of Multicultural Education and Diversity
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- SPED 320 - Education of the Exceptional Child
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education

- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar

### Birth through Kindergarten Major Core: 44 Credits

(EDUC 309 and EDUC 314 are corequisites and must be taken concurrently)

- EDUC 303 - Teaching the Young Child with Special Needs
- EDUC 308 - Observation and Assessment in Preschool Education
- EDUC 309 - Infant and Toddler Curriculum Development and Field Study (Teaching Majors)
- EDUC 314 - Preschool/ Kindergarten Curriculum Development and Field Study
- EDUC 350 - Introduction to Birth through Kindergarten Education
- EDUC 361 - Family Culture and School
- EDUC 434 - Current Issues and Trends in Early Childhood Education
- HEED 372 - First Aid and Safety Education
- HEED 420 - Nutrition
- READ 370 - Linguistics and Reading
- SOCI 330 - Marriage and Family Relations
- SWRK 220 - Introduction to Human Services
- SWRK 230 - Introduction to Social Work
  
- HIST 211 - The United States to 1865  
or
- HIST 212 - The United States since 1865

### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

### Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

Total Credit Hours: 123

## **Elementary Education, Core Academic Studies Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for Teacher Education majors on the College of Education catalog page. Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 39 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

#### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

#### Core Academic Studies Concentration: 12 Credits

Choose one:

- READ 316 - Corrective and Remedial Reading

- READ 370 - Linguistics and Reading
- READ 390 - Methods and Materials in Teaching Reading
- READ 422 - Teaching Reading to Culturally Diverse Children

Choose one sequence:

- MATH 129-MATH 130
- MATH 130-MATH 131

Required:

- ASTR 101 - Introduction to Astronomy I: The Solar System

Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## **Elementary Education, English Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.



**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

Information Literacy: 3 Credits

- ENGL 120 - English Composition II

Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600

- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

#### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

#### English Concentration: 12 Credits

- ENGL 371 - Literary Theory and Criticism
- ENGL 411 - Shakespeare

#### Choose One (Mechanical Language):

- ENGL 230 - Introduction to Linguistics
- ENGL 231 - Advanced Grammar
- ENGL 341 - Advanced Research and Argumentation

- ENGL 335 - Publishing Studio

Choose One (Literature Survey):

- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 311 - English Literature I
- ENGL 312 - English Literature II
- ENGL 321 - American Literature I
- ENGL 322 - American Literature II

Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## **Elementary Education, Health Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

Information Literacy: 3 Credits

- ENGL 120 - English Composition II

Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600

- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

#### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

#### Health Concentration: 12 Credits

- HEED 300 - Human Sexuality
- HEED 301 - Drug Education
- HEED 321 - Health in Early Childhood Education

#### Choose One:

- COHE 270 - Consumer Health
- HEED 310 - Mental and Emotional Health

- HEED 420 - Nutrition

#### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

#### Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

#### Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## **Elementary Education, History Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits



UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

## Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

## Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

## Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

## Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

## Program Requirements: 81 Credits

### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

### History Concentration: 12 Credits

- HIST 390 - North Carolina History

### Three additional courses in History:

- HIST 110 - World History to 1600
  - HIST 120 - World History since 1600
  - HIST 210 - African-American History
  - HIST 211 - The United States to 1865
  - HIST 212 - The United States since 1865
  - HIST 270 - An Introduction to Africa in the World
  - HIST 311 - Early Modern European History, 1600-1789
  - HIST 312 - Modern European History, 1789 to the Present
- \*Courses used to fulfill University Core requirements cannot be used to fulfill the History Concentration requirement.

### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training

- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## Elementary Education, Mathematics Concentration, B.S.

### Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and

- UNIV 102 - Freshman Seminar II  
or
- UNIV 110 - University Studies  
or
- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 127 - Quantitative Reasoning with Special Applications

#### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab

- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education

- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

### Mathematics Concentration: 18 Credits

Select 18 hours from the following courses:

(MATH 121, MATH 129, MATH 130 may be required; MATH 129-MATH 130 with C in each substitutes for MATH 131.)

- MATH 131 - Algebra and Trigonometry
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 242 - Calculus with Analytic Geometry III
- MATH 251 - Linear Algebra
- MATH 262 - Modern Geometry
- STAT 202 - Basic Probability and Statistics

### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

### Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## **Elementary Education, Psychology Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits



- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

#### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

#### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

#### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

#### Psychology Concentration: 12 Credits

- PSYC 310 - Theories of Personality
- PSYC 320 - Theories of Learning
- or
- PSYC 360 - Social Psychology
- Two PSYC electives (PSYC 210 cannot be used to fulfill Psychology Concentration requirements if it is also used to fulfill University Core requirements).

#### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

#### Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

#### Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## **Elementary Education, Reading Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 39 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

#### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

#### Reading Concentration: 12 Credits

- READ 316 - Corrective and Remedial Reading
- READ 400 - Practicum in the Correction of Reading and Related Disorders

Choose Two:

- READ 300 - New Literacies of 21st Century
- READ 370 - Linguistics and Reading
- READ 390 - Methods and Materials in Teaching Reading
- READ 422 - Teaching Reading to Culturally Diverse Children
- READ 441 - The Psychology of Reading

Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## **Elementary Education, Sociology Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 39 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic



### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

#### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

#### Sociology Concentration: 12 Credits

- SOCI 330 - Marriage and Family Relations
- SOCI 350 - History of Sociological Thought
- Two additional courses in Sociology (SOCI 210 cannot be used to fulfill Sociology Concentration requirements when it is used to fulfill a University Core requirement).

#### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball

- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## Elementary Education, Spanish Concentration, B.S.

### Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies

or

- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

#### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab

- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning

- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

### Spanish Concentration: 12 Credits

- SPAN 211 - Intermediate Spanish I
- SPAN 212 - Intermediate Spanish II
- SPAN 311 - Advanced Spanish Conversation and Culture
- SPAN 312 - is Advanced Spanish Composition and Culture

Choose one sequence:

- SPAN 320 - Advanced Spanish Grammar
- SPAN 321 - Spanish Civilization and Culture
- SPAN 322 - Spanish-American Civilization and Culture
- SPAN 420 - Introduction to Spanish Linguistics I
- SPAN 421 - Introduction to Spanish Linguistics II

Choose One:

- SPAN 321 - Spanish Civilization and Culture
- SPAN 322 - Spanish-American Civilization and Culture
- SPAN 421 - Introduction to Spanish Linguistics II

### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball

- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## **Elementary Education, Special Education Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or

- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

#### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture



- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature

- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or
- HIST 212 - The United States since 1865

### Special Education Concentration: 12 Credits

- SPED 410 - Classroom Management Strategies for Exceptional Children
- SPED 460 - Diagnosis and Evaluation of Exceptional Children
- SPED 465 - Meeting the Instructional Needs of Students with Disabilities
- SPED 480 - Seminar II Exceptional Student Field Experience

### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

### Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

### Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

# Elementary Education, Teaching English as a Second Language Concentration, B.S.

## Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Student must fulfill all requirements for admission to Teacher Education.

**Other Major Requirements:** Grade of C or higher in all education, concentration, and major courses, including Teacher Internship. Students must complete six hours of restricted electives with approval of department chair and advisor.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 123 - College Algebra
- MATH 127 - Quantitative Reasoning with Special Applications

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 32 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 291 - Educational Simulations
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- ENGL 300 - Children's Literature
- ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education
- ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar
- SPED 320 - Education of the Exceptional Child

#### Elementary Education Major Core: 27 Credits

(Formal admission to Teacher Education required to enroll in ELEM 400, ELEM 401, ELEM 402)

- ELEM 320 - Teaching Healthful Living in K-6
- ELEM 335 - Math for 21st Century K-6 Teaching Candidates
- ELEM 400 - Teaching Communication Skills in K-6
- ELEM 401 - Teaching Math and Science in K-6
- ELEM 402 - Social Studies and the Arts in Elementary Education
- HIST 211 - The United States to 1865 or

- HIST 212 - The United States since 1865

### Teaching English as a Second Language Concentration: 12 Credits

- ENGL 230 - Introduction to Linguistics
- TESL 410 - Theories and Principles in Teaching ESL
- TESL 450 - Literacy Development and Assessment in ESL

Choose one from:

- ENGL 231 - Advanced Grammar
- ENGL 343 - Teaching and Tutoring Writing
- READ 422 - Teaching Reading to Culturally Diverse Children
- TESL 441 - Trends and Issues in Teaching ESL

### Major Electives: 4 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- MATH elective

### Other Major Requirement: 3 Credits

- PSYC 210 - General Psychology

### Restricted Electives: 3 Credits

- ELEM 451 - Classroom Management for Elementary Teachers

Total Credit Hours: 120

## **Middle Grades Education, Language Arts Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for Teacher Education Majors on College of Education catalog page.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

(Required courses for Middle Grades Mathematics Second Concentration: STAT 202)

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

(Required courses for Middle Grades Science Second Concentration: BIOL 150/ BIOL 150L or BIOL 160 /BIOL 160L or one of the following: ASTR 101/ASTR 101L or ASTR 102/ASTR 102L)

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization



- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government

- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

(Required courses for Middle Grades Language Arts Concentration: ENGL 240)

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

(Required course for Middle Grades Language Arts Concentration: ENGL 211 or ENGL 212)

Select one from the following:

- ENGL 211 - World Literature I
- ENGL 212 - World Literature II

### Ethics and Civic Engagement: 3 Credits

- EDUC 211 - Laboratory Experiences in Area Schools

### Program Requirements: 82 Credits

## Professional Education Courses: 26 Credits

EDUC 450 may not be taken until student is admitted to Teacher Education. EDUC 497 and EDUC 490 may not be taken until student is admitted to Clinical Experience (Student Teaching) and are taken during the last and final semester.

- EDUC 210 - Technology Applications for Teachers
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- EDUC 450 - Classroom Management
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools

## Middle Grades Core Courses: 17 Credits

(Admission to Teacher Education required for EDMG 400, READ 320, EDUC 467, EDMG 498)

- EDMG 400 - The Middle School
- READ 300 - New Literacies of 21st Century
- READ 320 - Teaching Reading in the Content Areas
- SPED 320 - Education of the Exceptional Child
- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects
- EDMG 498 - Middle Grades Capstone Course

## Language Arts Concentration: 21 Credits

- ENGL 231 - Advanced Grammar
- ENGL 301 - Adolescent Literature
- ENGL 341 - Advanced Research and Argumentation
- READ 390 - Methods and Materials in Teaching Reading

Select one:

- ENGL 311 - English Literature I
- ENGL 312 - English Literature II

Select one:

- ENGL 321 - American Literature I
- ENGL 322 - American Literature II

Select one:

- ENGL 335 - Publishing Studio
- ENGL 343 - Teaching and Tutoring Writing

- ENGL 344 - Business and Professional Writing
- ENGL 345 - Technical Writing

## Second Academic Concentration: 18 Credits

Select from the following:

### Social Studies Concentration

- HIST 390 - North Carolina History
- POLI 210 - Principles of American Government

Select one:

- ECON 200 - Entrepreneurship and the Economy
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics

Select one:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

Select one:

- HIST 211 - The United States to 1865
- HIST 212 - The United States since 1865
- HIST 375 - Women In Africa

Select one:

- GEOG 210 - Principles of Geography
- GEOG 220 - World Regional Geography

### Mathematics Concentration

- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 251 - Linear Algebra
- MATH 262 - Modern Geometry

### Science Concentration

- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- GEOL 311 - Introduction to Geology I

Select one:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- or
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space

Select one course sequence (lecture and lab) that was not chosen to fulfill University College Core Curriculum requirements:

- BIOL 150 - Principles of Biology I
- and
- BIOL 150L - Principles of Biology I Laboratory
- or
- BIOL 160 - Principles of Biology II
- and
- BIOL 160L - Principles of Biology II Laboratory

Special Education Concentration

- SPED 410 - Classroom Management Strategies for Exceptional Children
- SPED 415 - Read Skills-Student Disability
- SPED 418 - Math/Write Skill-Student Disab
- SPED 460 - Diagnosis and Evaluation of Exceptional Children
- SPED 465 - Meeting the Instructional Needs of Students with Disabilities
- SPED 480 - Seminar II Exceptional Student Field Experience

Reading Concentration

- READ 316 - Corrective and Remedial Reading
- READ 370 - Linguistics and Reading
- READ 390 - Methods and Materials in Teaching Reading
- READ 400 - Practicum in the Correction of Reading and Related Disorders
- READ 422 - Teaching Reading to Culturally Diverse Children
- READ 441 - The Psychology of Reading

Total Credit Hours: 120

## Middle Grades Education, Mathematics Concentration, B.S.

### Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for Teacher Education Majors on College of Education catalog page.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball

- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

(Required courses for Middle Grades Mathematics Concentration: MATH 129 or MATH 130 or MATH 131)

Select one from the following:

- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

#### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

(Required courses for Middle Grades Science Concentration: BIOL 150 / BIOL 150L or BIOL 160/ BIOL 160L and one of the following: ASTR 101/ASTR 101L or ASTR 102/ASTR 102L)

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science

- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

(Required course for Middle Grades Social Studies Second Concentration: POLI 210)

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics



- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

(Required course for Middle Grades Language Arts Second Concentration: ENGL 240)

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

(Required course for Middle Grades Language Arts Second Concentration: ENGL 211 or ENGL 212)

(Required course for Middle Grades Social Studies Second Concentration: HIST 110 or HIST 120)

Select one from the following:

- ANTH 210 - Introduction to Anthropology

- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

#### Ethics and Civic Engagement: 3 Credits

- EDUC 211 - Laboratory Experiences in Area Schools

#### Program Requirements: 82 Credits

#### Professional Education Courses: 26 Credits

(EDUC 450 may not be taken until student is admitted to Teacher Education. EDUC 497 and EDUC 490 may not be taken until student is admitted to Clinical Experience (Student Teaching) and are taken during the last and final semester)

- EDUC 210 - Technology Applications for Teachers
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- EDUC 450 - Classroom Management
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools

#### Middle Grades Core Courses: 18 Credits

(Admission to Teacher Education required for EDMG 400, READ 320, EDUC 467, EDMG 498)

- EDMG 400 - The Middle School
- EDMG 498 - Middle Grades Capstone Course
- READ 300 - New Literacies of 21st Century
- READ 320 - Teaching Reading in the Content Areas
- SPED 320 - Education of the Exceptional Child
- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects

### Mathematics Concentration: 23 Credits

- MATH 130 - Precalculus Mathematics II
- MATH 142 - Calculus with Analytic Geometry I
- MATH 150 - Discrete Mathematics I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 251 - Linear Algebra
- MATH 262 - Modern Geometry
- STAT 202 - Basic Probability and Statistics

### Second Academic Concentration: 15 Credits

Select one Second Academic Concentration from the following:

#### Language Arts Concentration:

- ENGL 231 - Advanced Grammar
- ENGL 341 - Advanced Research and Argumentation
- ENGL 301 - Adolescent Literature
- READ 390 - Methods and Materials in Teaching Reading

Select one:

- ENGL 321 - American Literature I
- ENGL 322 - American Literature II

#### Social Studies Concentration:

- HIST 390 - North Carolina History
- Select one course from each of the four course choices below that was not chosen to fulfill University College Core Curriculum requirements:**

Select one:

- ECON 200 - Entrepreneurship and the Economy
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics

Select one:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

Select one:

- HIST 211 - The United States to 1865
- HIST 212 - The United States since 1865
- HIST 375 - Women In Africa

Select one:

- GEOG 210 - Principles of Geography
- GEOG 220 - World Regional Geography

Science Concentration:

- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- GEOL 311 - Introduction to Geology I

Select one course sequence (lecture and lab) that was not chosen to fulfill University College Core Curriculum requirements:

- BIOL 150 - Principles of Biology I  
and
- BIOL 150L - Principles of Biology I Laboratory  
or
- BIOL 160 - Principles of Biology II  
and
- BIOL 160L - Principles of Biology II Laboratory

Special Education Concentration:

- SPED 410 - Classroom Management Strategies for Exceptional Children
- SPED 460 - Diagnosis and Evaluation of Exceptional Children
- SPED 465 - Meeting the Instructional Needs of Students with Disabilities
- SPED 480 - Seminar II Exceptional Student Field Experience
- SPED 415 - Read Skills-Student Disability  
or
- SPED 418 - Math/Write Skill-Student Disab

## Reading Concentration:

Select five courses from the following:

- READ 316 - Corrective and Remedial Reading
- READ 370 - Linguistics and Reading
- READ 390 - Methods and Materials in Teaching Reading
- READ 400 - Practicum in the Correction of Reading and Related Disorders
- READ 422 - Teaching Reading to Culturally Diverse Children
- READ 441 - The Psychology of Reading

Total Credit Hours: 120

## Middle Grades Education, Science Concentration, B.S.

### Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for Teacher Education Majors on College of Education catalog page.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

## Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

## Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

## Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

## Information Literacy: 3 Credits

- ENGL 120 - English Composition II

## Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

(Required course for Middle Grades Mathematics Concentration: STAT 202)

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications

- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

(Required courses for Middle Grades Science Concentration: BIOL 150/ BIOL 150L and one of the following: ASTR 101/ASTR 101L or ASTR 102/ASTR 102L)

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture

- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

(Required courses for Middle Grades Social Studies Concentration: ECON 211 or ECON 212 or GEOG 210 or HIST 212 or SOCI 210)

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

(Required course for Middle Grades Language Arts Concentration: ENGL 240 )

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections



- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

(Required courses for Middle Grades Language Arts Concentration: ENGL 211 or ENGL 212)

(Required courses for Middle Grades Social Studies Concentration: GEOG 220 or HIST 110 or HIST 120)

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 26 Credits

(EDUC 450 may not be taken until student is admitted to Teacher Education. EDUC 497 and EDUC 490 may not be taken until student is admitted to Clinical Experience (Student Teaching) and are taken during the last and final semester)

- EDUC 210 - Technology Applications for Teachers
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- EDUC 450 - Classroom Management
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools

#### Middle Grades Core Courses: 18 Credits

(Admission to Teacher Education required for EDMG 400, READ 320, EDUC 467, EDMG 498)

- EDMG 400 - The Middle School
- READ 300 - New Literacies of 21st Century
- READ 320 - Teaching Reading in the Content Areas
- SPED 320 - Education of the Exceptional Child
- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects
- EDMG 498 - Middle Grades Capstone Course

#### Science Concentration: 19 Credits

- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- GEOL 311 - Introduction to Geology I
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- PHYS 115 - General Physics I
- PHYS 125L - College Physics I Laboratory

#### Second Academic Concentration: 18 Credits

Select from the following:

## Language Arts Concentration

- ENGL 231 - Advanced Grammar
- ENGL 301 - Adolescent Literature
- ENGL 341 - Advanced Research and Argumentation
- READ 390 - Methods and Materials in Teaching Reading

Select one:

- ENGL 321 - American Literature I
- ENGL 322 - American Literature II

Select one course that was not chosen to fulfill University College Core Curriculum requirements:

- ENGL 211 - World Literature I
- ENGL 212 - World Literature II

## Social Studies Concentration

- HIST 390 - North Carolina History
- POLI 210 - Principles of American Government

**Select one course from each of the four course choices below that was not chosen to fulfill University College Core Curriculum requirements:**

Select one:

- ECON 200 - Entrepreneurship and the Economy
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics

Select one:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

Select one:

- HIST 211 - The United States to 1865
- HIST 212 - The United States since 1865
- HIST 375 - Women In Africa

Select one:

- GEOG 210 - Principles of Geography

- GEOG 220 - World Regional Geography

### Mathematics Concentration

- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 251 - Linear Algebra
- MATH 262 - Modern Geometry

### Special Education Concentration

- SPED 410 - Classroom Management Strategies for Exceptional Children
- SPED 415 - Read Skills-Student Disability
- SPED 418 - Math/Write Skill-Student Disab
- SPED 460 - Diagnosis and Evaluation of Exceptional Children
- SPED 465 - Meeting the Instructional Needs of Students with Disabilities
- SPED 480 - Seminar II Exceptional Student Field Experience

### Reading Concentration

- READ 316 - Corrective and Remedial Reading
- READ 370 - Linguistics and Reading
- READ 390 - Methods and Materials in Teaching Reading
- READ 400 - Practicum in the Correction of Reading and Related Disorders
- READ 422 - Teaching Reading to Culturally Diverse Children
- READ 441 - The Psychology of Reading

Total Credit Hours: 120

## Middle Grades Education, Social Studies Concentration, B.S.

### Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for Teacher Education Majors on College of Education catalog page.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

## University College Core Curriculum: 38 Credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

## Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

(Required courses for Middle Grades Mathematics Second Concentration: STAT 202)

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

(Required courses for Middle Grades Science Second Concentration: BIOL 150 /BIOL 150L or BIOL 160 / BIOL 160L or one of the following: ASTR 101/ASTR 101L or ASTR 102/ASTR 102L)

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory

- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

(Required courses for Middle Grades Social Studies Concentration: HIST 212)

Select one from the following:

- HIST 212 - The United States since 1865
- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

## Humanities and Creative Arts: 3 Credits

(Required courses for Middle Grades Language Arts Second Concentration: ENGL 240)

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

(Required course for Middle Grades Social Studies Concentration: HIST 110 or HIST 120)

Select one from the following:

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

## Ethics and Civic Engagement: 3 Credits

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

## Program Requirements: 82 Credits

## Professional Education Courses: 26 Credits



(EDUC 450 may not be taken until student is admitted to Teacher Education. EDUC 497 and EDUC 490 may not be taken until student is admitted to Student Teaching and are taken during the last and final semester)

- EDUC 210 - Technology Applications for Teachers
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- EDUC 450 - Classroom Management
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools

### Middle Grades Core Courses: 17 Credits

(Admission to Teacher Education required for EDMG 400, READ 320, EDUC 467, EDMG 498)

- EDMG 400 - The Middle School
- EDMG 498 - Middle Grades Capstone Course
- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects
- READ 300 - New Literacies of 21st Century
- READ 320 - Teaching Reading in the Content Areas
- SPED 320 - Education of the Exceptional Child

### Social Studies Concentration: 21 Credits

- HIST 390 - North Carolina History
- POLI 210 - Principles of American Government

Select one:

(Must select HIST 211 if HIST 212 is used to satisfy a University College Core Curriculum requirement)

- HIST 211 - The United States to 1865
- HIST 212 - The United States since 1865

Select one:

- ECON 200 - Entrepreneurship and the Economy
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics

Select one:

- HIST 311 - Early Modern European History, 1600-1789
- HIST 312 - Modern European History, 1789 to the Present
- HIST 331 - History of Modern East Asia

Select one:

- HIST 270 - An Introduction to Africa in the World
- HIST 370 - Africa South of the Sahara
- HIST 375 - Women In Africa

Select one:

- GEOG 210 - Principles of Geography
- GEOG 220 - World Regional Geography

Second Academic Concentration: 18 Credits

Select from the following:

### Language Arts Concentration

- ENGL 231 - Advanced Grammar
- ENGL 341 - Advanced Research and Argumentation
- ENGL 301 - Adolescent Literature
- READ 390 - Methods and Materials in Teaching Reading

Select one:

- ENGL 211 - World Literature I
- ENGL 212 - World Literature II

Select one:

- ENGL 321 - American Literature I
- ENGL 322 - American Literature II

### Mathematics Concentration

- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 251 - Linear Algebra
- MATH 262 - Modern Geometry

### Science Concentration

- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory

- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- GEOL 311 - Introduction to Geology I

Select one:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science  
or
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space

Select one course sequence (lecture and lab) that was not chosen to fulfill University College Core Curriculum requirements:

- BIOL 150 - Principles of Biology I  
and
- BIOL 150L - Principles of Biology I Laboratory  
or
- BIOL 160 - Principles of Biology II  
and
- BIOL 160L - Principles of Biology II Laboratory

Special Education Concentration

- SPED 410 - Classroom Management Strategies for Exceptional Children
- SPED 460 - Diagnosis and Evaluation of Exceptional Children
- SPED 465 - Meeting the Instructional Needs of Students with Disabilities
- SPED 480 - Seminar II Exceptional Student Field Experience
- SPED 415 - Read Skills-Student Disability
- SPED 418 - Math/Write Skill-Student Disab

Reading Concentration

- READ 316 - Corrective and Remedial Reading
- READ 370 - Linguistics and Reading
- READ 390 - Methods and Materials in Teaching Reading
- READ 400 - Practicum in the Correction of Reading and Related Disorders
- READ 422 - Teaching Reading to Culturally Diverse Children
- READ 441 - The Psychology of Reading

Total Credit Hours: 120

# Department of Health, Physical, and Secondary Education

The primary goal of the Department of Health, Physical, and Secondary Education is to offer quality programs leading to the Bachelor of Science degree, the Master of Arts in Teaching degree, and post-baccalaureate licensure in Middle Grades, Secondary, Health and Physical Education and Special Education, and a Minor in Health. In support of the mission of the university and the School of Education, the department is committed to preparing students as facilitators of learning with 21st century knowledge and skills to teach in middle grades education, secondary education, health and physical education, and special education.

Candidates for the initial teaching license (Bachelor of Science [B.S.] degree, non-degree Licensure Only programs, and Master of Arts in Teaching [M.A.T.] degree) will complete a series of evidence requirements to demonstrate their competence in North Carolina Professional Teaching, Graduate (if applicable) and National or Professional Standards and Indicators. These evidences must be completed during course work and field experiences (if required), and candidates must achieve a minimum rating of Proficient (score of 3.0) on each indicator on the scoring rubrics for course credit and recommendation for licensure. These evidences include: Unit Plan, Case Study, Content Project and Leadership and Collaboration Project. In addition, candidates who are required to student teach must also achieve a rating of Met on all parts of the final Certification of Teaching Capacity form.

## Learning Outcomes

### Secondary and Health/Physical Education

- Teacher candidates will know their content based on the Common Core State Standards, NC Essential Standards, and CAEP.
- Teacher candidates will know how to teach based on the Common Core State Standards, NC Essential Standards, and CAEP.
- Teacher candidates will implement practices that reflect the cognitive, mental and physical development of K-12 students.
- Teacher candidates will know how to utilize technology to enhance instruction, learning, research, assessment, and data management.
- Teacher candidates will demonstrate leadership skills through the establishment of a safe, orderly, and positive environment.
- Teacher candidates will provide appropriate accommodations and implement teaching strategies for diverse learners.
- Teacher candidates will integrate 21st century knowledge and skills in instruction.
- Teacher candidates will be able to communicate effectively, analyze data, and be a reflective practitioner.

### Health and Physical Education Non-Teaching Community Health Concentration

- Student will be able to assess the needs, resources and capacity of the community.
- Student will be able to plan health and wellness programs and activities for the community.
- Student will be able to implement and manage community health and wellness programs and activities.
- Student will be able to evaluate community health and wellness programs and activities.
- Student will be able advocate for individual and community health and wellness resources and policies to promote good health and wellness.

### Health and Physical Education Non-Teaching Sport Management Concentration

- Students will demonstrate knowledge and understanding of the management, marketing, public relations, financial, psycho-social, and legal concepts relevant to effective practice for those preparing for careers in the sport management field.
- Students will apply personal ethics and ethical theory to issues in the business aspect of sport.
- Students will display critical thinking skills related to effective decision-making in sport organizations.
- Students will explore the theoretical framework and concepts of issues relating to diversity in sport.
- Students will demonstrate effective communication skills through the use of oral, written and interpersonal skills associated with current trends in sport management.

## Post-Baccalaureate Non-Degree Licensure Only Programs

Students interested in post-baccalaureate licensure only programs (including lateral entry licensure) in Middle Grades (6-9), Secondary (9-12), Health/ Physical Education, and Special Education: General Curriculum (K-12) should consult the Graduate Catalog and a program advisor.

## Licensing Requirements

The following PRAXIS II Exams are required to receive a North Carolina Teaching License in the following areas: Health and Physical Education, Middle Grades Language Arts, Middle Grades Mathematics, Middle Grades Science and Middle Grades Social Studies.

### Notes:

- In general, test codes that begin with "5" are delivered in computer format; codes that begin with "0" are delivered on paper.
- "CDT" refers to computer-delivered tests. "PDT" refers to paper-delivered tests.

## Health and Physical Education

To Be Licensed in	You Need to Take	CDT Code	PDT Code	Qualifying Score
Health and Physical Education (K-12)	Health and Physical Education: Content Knowledge	5857	n/a	160

## Middle School Education

To Be Licensed in	You Need to Take	CDT Code	PDT Code	Qualifying Score
Language Arts (Middle Grades)	Middle School English Language Arts	5047	n/a	164

Mathematics (Middle Grades)	Middle School Mathematics (On-screen calculator provided.)	5169	n/a	165
Science (Middle Grades)	Middle School Science	5440	n/a	150
Social Studies (Middle Grades)	Middle School Social Studies	5089	0089	149

## Major

### **Biology, Teaching Licensure Concentration (Secondary Education 9-12), B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 39 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Declaration of Major and Pre-Major Requirements for the College of Education:** See "Admission Requirements" on the College of Education catalog page.

**Program Admission Requirements:** Student must have a grade point average of 2.7 (3.0 preferred) or better with at least 30 earned hours to be admitted to the program.

**Other Major Requirements:** Grade of C or higher in all major courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or

- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I



- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II
- SPAN 211 - Intermediate Spanish I

### Ethics and Civic Engagement: 3 Credits

- EDUC 211 - Laboratory Experiences in Area Schools

### Program Requirements: 81 Credits

#### Required Major Courses: 43 Credit Hours

- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- BIOL 320 - Biology Seminar
- BIOL 330 - Microbiology and Immunology
- BIOL 330L - Microbiology and Immunology Laboratory
- BIOL 350 - Ecology
- BIOL 350L - Ecology Laboratory
- BIOL 210 - General Botany
- BIOL 210L - General Botany Laboratory

- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- GEOL 311 - Introduction to Geology I
- MATH 130 - Precalculus Mathematics II  
or
- MATH 131 - Algebra and Trigonometry
- PHYS 115 - General Physics I
- PHYS 125L - College Physics I Laboratory
- BIOL 220 - General Zoology
- BIOL 220L - General Zoology Laboratory
- BIOL 310 - Principles of Genetics
- BIOL 310L - Principles of Genetics Laboratory

### Professional Education Courses: 36 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- EDUC 455 - Classroom Management and Principles of Secondary Teaching
- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools
- READ 320 - Teaching Reading in the Content Areas
- SPED 320 - Education of the Exceptional Child

### Free Elective: 2 Credits

Choose any course(s) for at least two credit hours.

Total Credit Hours: 120

## Health and Physical Education, B.S.

### Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for Teacher Education Majors on College of Education catalog page.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 39 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

## Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory

## Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

## Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I

- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I

- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools (completion of this professional education course satisfies the Ethics and Civic Engagement requirement)

### Program Requirements: 81 Credits

#### Professional Education Courses: 33 Credits

(Admission to Teacher Education is required for EDUC 455, EDUC 464, and READ 320; admission to Student Teaching is required for EDUC 490 and EDUC 497)

- EDUC 210 - Technology Applications for Teachers
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- EDUC 455 - Classroom Management and Principles of Secondary Teaching
- EDUC 464 - Methods and Materials in Health and Physical Education
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools
- READ 320 - Teaching Reading in the Content Areas

#### Health Core Courses: 21 Credits

- HEED 300 - Human Sexuality
- HEED 301 - Drug Education
- HEED 310 - Mental and Emotional Health

Select one of the following:

- HEED 321 - Health in Early Childhood Education  
or
- HEED 322 - Health in the Intermediate Grades
- HEED 372 - First Aid and Safety Education
- HEED 420 - Nutrition

Select one of the following:

- HEED 311 - Environmental Health
- HEED 321 - Health in Early Childhood Education
- HEED 322 - Health in the Intermediate Grades

## Physical Education Core Courses: 27 Credits

- PEDU 205 - Net/ Wall and Field/ Striking Games
- PEDU 215 - Target and Invasion Games
- PEDU 302 - Motor Learning
- PEDU 310 - Rhythms and Movement Concepts for Physical Education
- PEDU 311 - History and Principles
- PEDU 321 - Educational Games for Early Childhood Physical Education K-6
- PEDU 322 - Physical Education in Middle Grades 6-9
- PEDU 360 - Theory and Practice in Elementary Physical Education
- PEDU 421 - Measurement and Evaluation
- PEDU 431 - Adapted Physical Education
- PEDU 450 - Physiology of Exercise and Kinesiology

Total Credit Hours: 120

## Health and Physical Education, Non-Teaching Community Health Concentration, B.S.

### Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Students wishing to declare a major in Health and Physical Education, (Non-Teaching) with a concentration in Community Health must complete no less than 12 credit hours at Fayetteville State University. Any first time student wishing to major in the Community Health concentration prior to completing 12 credit hours at Fayetteville State University OR with less than a 2.0 GPA will be placed in a Pre-Health and Physical Education (Non -Teaching) category.

**Other Program Requirements:** Students must earn a C or higher grade in all courses taken to fulfill program requirements, including Health and Physical Education Core, and in the concentration courses for Community Health. A student must have a cumulative GPA of 2.0 or better in order to graduate with a degree from the program.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra



- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

- SOCI 210 - Principles of Sociology
- PSYC 210 - General Psychology
- POLI 220 - Principles of Public Administration

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- HCM 200 - Ethics for Health Professions

### Program Requirements: 81 Credits

### Community Health Concentration Courses: 35 Credits

- COHE 200 - Introduction to Community Health
- COHE 270 - Consumer Health
- COHE 330 - Health Behavior and Counseling
- COHE 360 - Communication in Health
- COHE 425 - Community Health Organizing
- COHE 426 - Program Planning and Evaluation in Health

- COHE 460 - Aging
- COHE 470 - Seminar in Community Health
- COHE 480 - Field Work in Community Health Education

#### Health Core Courses: 27 Credits

- HEED 300 - Human Sexuality
- HEED 301 - Drug Education
- HEED 310 - Mental and Emotional Health
- HEED 311 - Environmental Health
- HEED 372 - First Aid and Safety Education
- HEED 410 - Introduction to Epidemiology
- HEED 411 - Public Health Problems
- HEED 420 - Nutrition
- A free elective (3 credit hours) chosen in consultation with your advisor

#### Physical Education Core Courses: 19 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 204 - Methods and Materials in Individual and Dual Sports
- PEDU 214 - Methods and Materials in Team Sports
- PEDU 311 - History and Principles
- PEDU 411 - Organization and Administration of Health and Physical Education
- PEDU 421 - Measurement and Evaluation
- PEDU 431 - Adapted Physical Education

Total Credit Hours: 120

## Health and Physical Education, Non-Teaching Sport Management Concentration, B.S.

### Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** Students wishing to declare a major in Health and Physical Education, (Non-Teaching) with a concentration in Sport Management must complete no less than 12 credit hours at Fayetteville State University. Any first time student wishing to major in the Community Health concentration prior to completing 12 credit hours at Fayetteville State University OR with less than a 2.0 GPA will be placed in a Pre-Health and Physical Education (Non -Teaching) category.

**Other Program Requirements:** Students must earn a C or higher grade in all courses taken to fulfill program requirements, including Health and Physical Education Core, and in the concentration courses for Sport

Management. Student must have a cumulative GPA of 2.0 or better in order to graduate with a degree from the program.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

Communication Skills - Oral Communication

- SPEE 200 - Introduction to Speech

Information Literacy: 3 Credits

- ENGL 120 - English Composition II

Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or

- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

- ECON 212 - Principles of Microeconomics

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music

- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

- BADM 210 - Introduction to Global Literacy

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- SPTM 210 - Ethics and Moral Reasoning in Sport

### Program Requirements: 81 Credits

#### Sport Management Concentration Courses: 30 Credits

- SPTM 211 - Introduction to Sport Management
- SPTM 301 - Sport Governance and Policy
- SPTM 330 - Sport Facility and Event Management
- SPTM 331 - Economics and Finance of Sport
- SPTM 340 - Sport Marketing and Communications
- SPTM 421 - Management and Leadership in Sport Organizations
- SPTM 450 - Legal Aspects of Sport
- SPTM 490 - Sport Management Internship and Seminar

#### Health Core Courses: 18 Credits

- HEED 300 - Human Sexuality
- HEED 301 - Drug Education
- HEED 310 - Mental and Emotional Health
- HEED 311 - Environmental Health
- HEED 372 - First Aid and Safety Education
- HEED 420 - Nutrition

#### Physical Education Core Courses: 33 Credits

- PEDU 101 - Swimming (Coed)
- PEDU 204 - Methods and Materials in Individual and Dual Sports
- PEDU 214 - Methods and Materials in Team Sports
- PEDU 310 - Rhythms and Movement Concepts for Physical Education
- PEDU 311 - History and Principles

- PEDU 350 - Functional Anatomy
- PEDU 361 - Sport Officiating
- PEDU 411 - Organization and Administration of Health and Physical Education
- PEDU 421 - Measurement and Evaluation
- PEDU 450 - Physiology of Exercise and Kinesiology
- PEDU 452 - The Intramural Sports Program
- PEDU 472 - Sports in Contemporary American Society

Total Credit Hours: 120

## **Minor**

### **Health Minor**

#### Minor Requirements

- HEED 300 - Human Sexuality
- HEED 301 - Drug Education
- HEED 372 - First Aid and Safety Education
- HEED 411 - Public Health Problems
- HEED 420 - Nutrition

Select one of the following:

- HEED 310 - Mental and Emotional Health
- HEED 321 - Health in Early Childhood Education
- HEED 410 - Introduction to Epidemiology

Total Credit Hours: 18

## **College of Health, Science, and Technology**

The mission of the College of Health, Science, and Technology is to provide educational programs and services that promote and support excellence in teaching and innovative scholarship in health, life, and natural sciences. The college has a collegial and distinguished faculty and staff who offer a variety of undergraduate programs to a diverse student body. Through effective teaching, active scholarship, and service, the college supports Fayetteville State University to promote the educational, cultural, social, and economic wellbeing of citizens throughout North Carolina, the nation, and the world.

The College of Health, Science, and Technology includes the Departments of Biological and Forensic Sciences; Chemistry, Physics, and Materials Science; Mathematics and Computer Science; and the School of Nursing. The college offers an undergraduate online degree completion program in Nursing (RN to BSN).

The College of Health, Science, and Technology Office of Academic Advising serves many purposes, including the initial transfer equivalency review and advising of all transfer students interested in majors in the college, the coordination and initial advising of all online students in the college, initial advising of undeclared majors as they transition from University College, backup and support for faculty academic advisors in the college, and active engagement in all recruitment and advising activities such as First Steps and Open House.

## **Department of Biological and Forensic Sciences**

The Department of Biological and Forensic Sciences offers degrees in Biology and Forensic Science. Studies in these areas of the biological and forensic sciences are designed to prepare students for careers in government, industry, health-related professions, education, forensic crime laboratories, or for pursuing study in graduate or professional schools. Regardless of the major, all students must successfully complete the University College Core Curriculum and the advanced courses in their majors.

Students in other undergraduate majors may elect to minor in biology or biotechnology in order to achieve their career goals. The Department of Biological and Forensic Sciences offers non-major courses that will satisfy the natural sciences requirement of the University College Core Curriculum.

## **Cooperative Program**

Fayetteville State University and Logan University have entered into an educational assistance agreement to help students from populations under-represented in the chiropractic health-care profession improve their academic competitiveness and facilitate their entry into and graduation from a chiropractic health professional school.

## **Learning Outcomes**

### **BS in Biology**

- Students will be able to define and explain major concepts in the biological sciences.
- Student will be able to correctly use biological instrumentation and proper laboratory techniques.
- Students will be able to communicate biological knowledge in oral and written form.



- Students will be able to explain and apply the scientific method including designing and conducting experiments and testing hypotheses.
- Student will be able to recognize the relationship between structure and function at all levels: molecular, cellular, and organismal.
- Student will be able to demonstrate the ability to read, understand, and critically review scientific information.
- Student will be able to demonstrate ethical conduct in scientific activities.

#### BS in Forensic Sciences

The educational objectives of the Bachelor of Science in Forensic Sciences degree program are consistent with the mission of Fayetteville State University and the accreditation standards of the Forensic Science Education Programs Accreditation Commission (FEPAC) of the American Academy of Forensic Sciences ([www.aafs.org](http://www.aafs.org)). Students should be able to:

- Demonstrate knowledge and understanding of a range of concepts and issues in Forensic science.
- Show proficiency in assessing, evaluating, analyzing, and synthesizing scientific information and data interpretation from a variety of sample sources.
- Demonstrate knowledge and techniques fundamental to the practice of forensic science.
- Demonstrate an understanding of ethical standards in the forensic science profession.
- Work cooperatively with others, while demonstrating an increasing understanding of how to be an independent learner.
- Communicate forensics knowledge in written and oral forms.

These learning objectives will be measured through the successful completion of coursework, laboratory experiences, exams, papers, and an internship/capstone as determined by faculty responsible for teaching in the degree program.

## Major

### **Biology, Biotechnology and Molecular Biology Concentration, B.S.**

Students must earn a cumulative GPA of 2.0 or higher overall and a "C" or better in all major courses.

University College Core Curriculum: 39 credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success

- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- or higher MATH

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I

- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment

- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Required Major Courses: 62 Credits

- BIOL 320 - Biology Seminar
- BIOL 330 - Microbiology and Immunology
- BIOL 330L - Microbiology and Immunology Laboratory
- BIOL 400 - Biostatistics
- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- BIOL 225 - Scientific Communication
- BIOL 210 - General Botany
- BIOL 210L - General Botany Laboratory
- BTCH 210 - Introduction to Biotechnology
- BTCH 220 - Biotechniques I
- BTCH 230 - Biotechniques II
- BTCH 360 - Molecular Genetics
- or
- BIOL 325 - Molecular Biology
- BTCH 360L - Molecular Genetics Laboratory
- or
- BIOL 325L - Molecular Biology Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125L - College Physics I Laboratory
- PHYS 126L - College Physics II Laboratory
- BIOL 220 - General Zoology
- BIOL 220L - General Zoology Laboratory
- BIOL 310 - Principles of Genetics
- BIOL 310L - Principles of Genetics Laboratory
- Also select BTCH 490 (Research in Biotechnology) Or BIOL 499 (Senior Capstone Experience)

## Required Concentration Electives: 16 Credits

Select from the following:

- BIOL 410 - Molecular Biochemistry (or BICH 411 - Biochemistry I)
- BIOL 410L - Molecular Biochemistry Laboratory (or BICH 421 - Biochemistry Lab)
- BIOL 430 - Special Problems
- BTCH 310 - Immunology
- BTCH 320 - NanoBiotechnology
- BTCH 340 - Toxicology
- BTCH 340L - Toxicology Laboratory
- BTCH 350 - Advanced Biomolecular Science
- BTCH 410 - Biotechnology Seminar
- BTCH 425 - Bioinformatics
- BTCH 435 - Plant Biotechnology
- BTCH 435L - Plant Biotechnology Laboratory
- BTCH 440 - Tissue Culture and Hybridoma
- BTCH 450 - Problems in Biotechnology
- BTCH 460 - Introduction to Genomic Science
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory

## Other Required Courses: 3 Credits

Math (must be different from choice in the core)

- MATH 130 - Precalculus Mathematics II  
or higher MATH

Total Credit Hours: 120

## **Biology, Organismal Biology Concentration, B.S.**

Students must earn a cumulative GPA of 2.0 or higher overall and a "C" or better in all major courses.

University College Core Curriculum: 39 credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or

- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- or higher MATH

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women



- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action

- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Required Major Courses: 51 Credits

- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- BIOL 225 - Scientific Communication
- BIOL 320 - Biology Seminar
- BIOL 330 - Microbiology and Immunology
- BIOL 330L - Microbiology and Immunology Laboratory
- BIOL 350 - Ecology
- BIOL 350L - Ecology Laboratory
- BIOL 400 - Biostatistics
- BIOL 499 - Senior Capstone Experience
- BIOL 210 - General Botany
- BIOL 210L - General Botany Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125L - College Physics I Laboratory
- PHYS 126L - College Physics II Laboratory
- BIOL 220 - General Zoology
- BIOL 220L - General Zoology Laboratory
- BIOL 310 - Principles of Genetics
- BIOL 310L - Principles of Genetics Laboratory

Required Concentration Electives: 27 Credits

Select from the following:

- BIOL 430 - Special Problems

- BIOL 445 - Evolution
- BTCH 340 - Toxicology
- BTCH 340L - Toxicology Laboratory
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory
- STAT 202 - Basic Probability and Statistics
- BIOL 230 - Human Anatomy and Physiology I
- BIOL 230L - Human Anatomy and Physiology I Laboratory
- BIOL 240 - Human Anatomy and Physiology II
- BIOL 240L - Human Anatomy and Physiology II Laboratory
- BIOL 355 - Comparative Anatomy
- BIOL 355L - Comparative Anatomy Laboratory
- BIOL 370 - Vertebrate Physiology
- BIOL 370L - Vertebrate Physiology Laboratory
- BIOL 440 - Animal Development
- BIOL 440L - Animal Development Laboratory
- BIOL 470 - Introduction to Entomology
- BIOL 470L - Introduction to Entomology Laboratory
- ENEC 420 - Natural Resource Management and Environmental Policy

Other Required Courses: 3 Credits

Math (must be different from choice in the core)

- MATH 130 - Precalculus Mathematics II  
or higher MATH

Total Credit Hours: 120

## **Forensic Science, B.S.**

### **Admission Requirements for Bachelor of Science in Forensic Science**

To be accepted into the Forensic Science program, applicants must meet the following criteria:

- Applicants must have completed at least 30 credit hours.
- Applicant must have a cumulative GPA of 2.5 or higher.
- Applicants must have earned a minimum grade of "C" in the following mathematics and science courses, with a maximum of two repeated courses.
  - CHEM 141/ CHEM 141L - BIOL 150 / BIOL 150L (8)
  - MATH 129 (3)

## Other Program Requirements for Bachelor of Science in Forensic Science

- Student must earn a cumulative GPA of 2.0 or higher overall and a "C" or better in all major courses.
- Transfer credit: A maximum of 60 hours of transfer credits will be accepted towards the Forensic Science degree. No credit will be accepted for science and mathematics courses taken more than ten (10) years earlier.

## Program Requirements

**Core Requirements:** Minimum of 39 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 129 - Precalculus Mathematics I

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory

## Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

## Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 83 Credits

#### Natural Science: 34 Credits

- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- CHEM 161 - General Chemistry II Lecture

- CHEM 161L - General Chemistry II Laboratory
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory
- CHEM 225 - Organic Chemistry II Lecture
- CHEM 225L - Organic Chemistry II Laboratory
- MATH 130 - Precalculus Mathematics II
- MATH 142 - Calculus with Analytic Geometry I
- PHYS 115 - General Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 116 - General Physics II
- PHYS 126L - College Physics II Laboratory
- STAT 202 - Basic Probability and Statistics

### Forensic Science Courses: 49 Credits

- BIOL 310 - Principles of Genetics
- BIOL 310L - Principles of Genetics Laboratory
- BIOL 325 - Molecular Biology
- BIOL 325L - Molecular Biology Laboratory
- BIOL 330 - Microbiology and Immunology
- BIOL 330L - Microbiology and Immunology Laboratory
- BICH 411 - Biochemistry I
- BTCH 340 - Toxicology
- BTCH 340L - Toxicology Laboratory
- CHEM 311 - Instrumental Analysis Lecture
- CHEM 311L - Instrumental Analysis Laboratory
- FORS 200 - Introduction to Forensic Science
- FORS 300 - Forensic Professional Practice
- FORS 375 - Crime Scene and Latent Evidence Analysis
- FORS 400 - Forensic Microscopy
- FORS 431 - Population Genetics
- FORS 455 - Forensic Biology (Serology/ DNA)
- FORS 460 - Capstone

Total Credit Hours: 122

## Minor

### Biology Minor

#### Minor Requirements

Grade of C or higher in all minor requirements.

- BIOL 150 - Principles of Biology I



- BIOL 150L - Principles of Biology I Laboratory
- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- BIOL 210 - General Botany
- BIOL 210L - General Botany Laboratory
- BIOL 220 - General Zoology
- BIOL 220L - General Zoology Laboratory
- Six credits of BIOL or BTCH electives, excluding BIOL 111/ BIOL 111L; BIOL 131/ BIOL 131L

Total Credit Hours: 22

## **Biology, Biotechnology Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- BICH 411 - Biochemistry I
- BTCH 220 - Biotechniques I
- BTCH 230 - Biotechniques II
- BTCH 350 - Advanced Biomolecular Science
- CHEM 211 - Analytical Chemistry Lecture
- CHEM 211L - Analytical Chemistry Laboratory

Five credits selected from the following:

- BICH 412 - Biochemistry II
- BIOL 490 - Radiation Biology
- BTCH 425 - Bioinformatics
- BTCH 440 - Tissue Culture and Hybridoma
- CHEM 310 - Instrumental Analysis
- CHEM 400 - Computational Chemistry
- PHYS 302 - Biophysics

Total Credit Hours: 23

## **Biotechnology Minor for Chemistry Majors**

### Minor Requirements

Grade of C or higher in all minor requirements.

- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- BIOL 330 - Microbiology and Immunology

- BIOL 330L - Microbiology and Immunology Laboratory
- BTCH 220 - Biotechniques I
- BTCH 230 - Biotechniques II
- BTCH 350 - Advanced Biomolecular Science

Six credits selected from the following:

- BICH 411 - Biochemistry I
- BICH 412 - Biochemistry II
- BIOL 490 - Radiation Biology
- BTCH 425 - Bioinformatics
- BTCH 440 - Tissue Culture and Hybridoma
- CHEM 310 - Instrumental Analysis
- CHEM 400 - Computational Chemistry
- PHYS 302 - Biophysics

Total Credit Hours: 25

## **Forensic Science Minor (Chemistry and Materials Science Students)**

### Minor Requirements

Grade of C or higher required in all courses.

Required Courses: 10 Credits

- FORS 200 - Introduction to Forensic Science
- FORS 300 - Forensic Professional Practice
- FORS 400 - Forensic Microscopy

Electives: Minimum 8 Credits

- BTCH 340 - Toxicology
- BTCH 340L - Toxicology Laboratory
- CHEM 311 - Instrumental Analysis Lecture
- CHEM 311L - Instrumental Analysis Laboratory
- FORS 371 - Latent Print Examination
- FORS 375 - Crime Scene and Latent Evidence Analysis
- MATS 301 - Introduction to Polymer Science

Total: 18 Credit Hours

## Certificate

### STEM Undergraduate Research Certificate

The STEM Undergraduate Research Certificate Program will expose students from STEM departments to the highest academic standards and provide them with guidance, academic mentorship, and opportunities to participate in authentic research. The certificate requires nine hours of coursework related to undergraduate research. Students are also required to give a public presentation of the research project at the FSU Annual Undergraduate Research Symposium or other research symposia/conferences and submit a manuscript to *STREAMS: FSU Journal for Undergraduate Research and Creative Works* or any other peer-reviewed journals for publication.

#### Requirements include:

- Undergraduate research methods course: 3 credits
- Two research intensive courses (students must spend more than 50% of class time on original research): 6 credits
- A public presentation of the research project: 0 credits
- A manuscript submission to *STREAMS: FSU Journal for Undergraduate Research and Creative Works* or other peer-reviewed journals: 0 credits

Existing research intensive courses include:

#### Biology:

- BIOL 225 - Scientific Communication
- BIOL 430 - Special Problems
- BIOL 499 - Senior Capstone Experience
- BTCH 425 - Bioinformatics
- BTCH 490 - Research in Biotechnology
- FORS 410 - Technical Writing in Forensic Science
- FORS 460 - Capstone

#### Chemistry and Physics:

- CHEM 390 - Research I
- CHEM 490 - Chemistry Research and Ethics

- CHEM 491 - Research II
- CHEM 492 - Research II and Thesis
- CHEM 499 - Chemistry Capstone

**Mathematics and Computer Science:**

- CSC 490 - Senior Project
- MATH 432 - Read/Honors in Math

Students may also apply any research intensive courses not listed above if approved by the department chair.

Total Credit Hours: 9

# Department of Chemistry, Physics, and Materials Science

The Department of Chemistry, Physics, and Materials Science offers two degrees: a Bachelor of Science (B.S.) in Chemistry and a Bachelor of Science in Chemical Engineering (B.Ch.E.) as a 3 + 2 dual degree program in conjunction with North Carolina State University. As a central scientific discipline, chemistry impacts human life in many ways and the understanding of chemistry is critical for solving the world's most important problems. To serve the diverse interests of our students, the department offers six different concentrations to students seeking the B.S. degree in chemistry. The Biochemistry concentration is designed for students who are interested in the application of chemical principles to the life sciences; it prepares students for chemical, forensics, and pharmaceutical industries or graduate school in biochemistry or related fields. The Chemistry Entrepreneurship concentration is intended for students who wish to pursue the fields of chemistry and business; it contains a solid foundation in chemistry and an introduction to business and entrepreneurship coursework. The General (Applied) Chemistry concentration is a traditional chemistry track that prepares students for a career in the chemical industry or for graduate school in chemistry or related fields. The Materials Science concentration is ideal for students interested in the growing field of nanotechnology and materials on all scales; it prepares students for a variety of graduate programs in engineering, industry, and related fields. The Pre-Pharmacy concentration is designed to prepare students for success in professional pharmacy degree programs. The Pre-Health concentration gives students the foundation they need for careers in medicine, dentistry, optometry, physical therapy, physician's assistant, veterinary medicine, and other health related careers. The B.Ch.E. degree prepares students to work in a wide range of industries to solve technical problems, create and improve products, or for graduate study in chemical engineering. The minors in chemistry, materials science, and physics are designed for undergraduates majoring in other areas who seek degree recognition for their background in chemistry, materials science, and physics. Other course offerings by the department include comprehensive courses in astronomy, geology, physical science, and physics, which prepare students for further studies in these fields. The department also offers courses as a service to other disciplines as an integral part of the university's core education requirements.

## Student Learning Outcomes

The Department of Chemistry, Physics, and Materials Science is approved by the American Chemical Society (ACS) to certify the degrees of graduating students who have completed the curriculum and professional training recommended by ACS for chemistry B.S. degree graduates. An ACS-approved program is committed to providing its majors with a broadly based and intellectually challenging experience in chemistry. An ACS-certified degree indicates that the student has completed rigorous course work that provides them with the skills needed for a successful career in science.

The ACS Committee on Professional Training (CPT) sets the standards for an ACS certified degree, namely:

- Be able to demonstrate foundation knowledge in the five areas of chemistry (analytical, biological, inorganic, organic, and physical chemistry).
- Be able to access, search, and use the chemical literature.
- Be knowledgeable in classical laboratory techniques and be able to use modern instrumentation.
- Be able to design and carry out scientific experiments and record and analyze the resulting data.
- Be able to work and collaborate as part of a team.
- Be knowledgeable in proper safety procedures and regulations in handling and disposal of chemicals.
- Be able to communicate scientific information to chemists and non-chemists in writing and orally.
- Be knowledgeable of ethical practices in science.

Students in the General Chemistry and Materials Science concentrations earn an ACS-certified degree without additional coursework beyond the courses required for the B.S. degree. Students in other concentrations can earn an ACS-certified degree by fulfilling additional laboratory and coursework requirements set by CPT.

## Major

### Chemistry with a concentration in Biochemistry, B.S.

#### Admission Requirements for the Bachelor of Science in Chemistry

Students must have a grade of C or higher in CHEM 161 and a grade point average of 2.0 or better to be admitted to the program.

#### Admission Criteria to Pre-Chemistry:

All first-year students interested in graduating with a B.S. in Chemistry degree can enter Fayetteville State University as a pre-chemistry major. Once the student passes CHEM 161, he or she can switch from pre-chemistry to chemistry major.

#### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for the Bachelor of Science in Chemistry above.

**Other Major Requirements:** Students must have a grade of C or higher in all courses and a cumulative GPA of 2.0 or higher in order to graduate.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and UNIV 102 - Freshman Seminar II
- UNIV 110 - University Studies
- UNIV 111 - University Studies for Student Success

- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include a lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas I
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture



- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics

- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 – Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PNUR 210 - Introduction to Professional Nursing
- POLI 110 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Chemistry Courses: 27 Credits

- BICH 411 - Biochemistry I
- CHEM 200 - Chemical Literature: Search and Analysis
- CHEM 211 - Analytical Chemistry Lecture
- CHEM 211L - Analytical Chemistry Laboratory
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory
- CHEM 225 - Organic Chemistry II Lecture
- CHEM 225L - Organic Chemistry II Laboratory
- CHEM 311 - Instrumental Analysis Lecture
- CHEM 311L - Instrumental Analysis Laboratory
- CHEM 315 - Physical Chemistry for Life Sciences
- CHEM 499 - Chemistry Capstone

Biochemistry Electives: 6 Credits

Select two from the following:

- CHEM 422 - Bioanalytical Chemistry
- CHEM 424 - Separation Science
- CHEM 425 - Bioinorganic Chemistry
- CHEM 426 - Medicinal Chemistry

Correlative Requirements: 21 Credits

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- NSCI 100 - Calculations in Sciences
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

Concentration: 27 Credits

- BICH 412 - Biochemistry II
- BICH 413 - Biochemistry III
- BICH 421 - Biochemistry Laboratory
- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- BIOL 230 - Human Anatomy and Physiology I
- BIOL 240 - Human Anatomy and Physiology II
- BIOL 330 - Microbiology and Immunology
- BIOL 330L - Microbiology and Immunology Laboratory
- BIOL 310 - Principles of Genetics
- BTCH 310 - Immunology

Total Credit Hours: 120

## **Chemistry with a concentration in Chemistry Entrepreneurship, B.S.**

### **Admission Requirements for the Bachelor of Science in Chemistry**

Students must have a grade of C or higher in CHEM 161 and a grade point average of 2.0 or better to be admitted to the program.

### **Admission Criteria for Pre-Chemistry**

Any first-year student interested in graduating with a B.S. in Chemistry degree can enter Fayetteville State University as a pre-chemistry major. Once the student passes CHEM 161, he or she can switch from Pre-Chemistry to the Chemistry major.

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for the Bachelor of Science in Chemistry above.

**Other Major Requirements:** Students must have a grade of C or higher in all courses and a cumulative GPA of 2.0 or higher in order to graduate.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and UNIV 102 - Freshman Seminar II
- UNIV 110 - University Studies
- UNIV 111 - University Studies for Student Success
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include a lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography

- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas I
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I

- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 – Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PNUR 210 - Introduction to Professional Nursing
- POLI 110 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

## Chemistry Courses: 36 Credits

- BICH 411 - Biochemistry I
- CHEM 200 - Chemical Literature: Search and Analysis
- CHEM 211 - Analytical Chemistry Lecture
- CHEM 211L - Analytical Chemistry Laboratory
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory
- CHEM 225 - Organic Chemistry II Lecture
- CHEM 225L - Organic Chemistry II Laboratory
- CHEM 301 - Introduction to Polymer Science
- CHEM 311 - Instrumental Analysis Lecture
- CHEM 311L - Instrumental Analysis Laboratory
- CHEM 315 - Physical Chemistry for Life Sciences
- CHEM 350 - Introduction to Undergraduate Research
- CHEM 421 - Inorganic Chemistry
- CHEM 450 - Undergraduate Research
- CHEM 499 - Chemistry Capstone

## Chemistry Electives: 3 Credits

Select one from the following:

- BICH 412 - Biochemistry II
- CHEM 400 - Computational Chemistry
- CHEM 422 - Bioanalytical Chemistry
- CHEM 423 - Nanoscience and Nanotechnology
- CHEM 424 - Separation Science
- CHEM 430 - Special Topics in Chemistry
- CHEM 431 - Qualitative Organic Analysis
- MATS 311 - Scanning Electron Microscopy and Microanalysis
- MATS 321 - X-Ray Diffraction Analysis
- MATS 360 - Introduction to Electronic Materials
- MATS 423 - Nanoscience and Nanotechnology
- MATS 460 - Electronic Materials and Processing

## Entrepreneurship Electives: 3 Credits

Select one from the following:

- ENTR 303 - Entrepreneurial Strategy and Opportunity Analysis
- MGMT 420 - Organizational Behavior
- MGMT 421 - Quality Management
- MGMT 425 - International Business Management
- MGMT 450 - Small Business Management
- MKTG 333 - Social Media and Digital Marketing



- MKTG 421 - International Marketing

### Correlative Requirements: 21 Credits

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- NSCI 100 - Calculations in Sciences
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Concentration: 18 Credits

- ACCT 211 - Principles of Accounting I
- ENTR 300 - Entrepreneurial Discovery and Creativity
- ENTR 301 - Entrepreneurship and New Venture Creation
- ENTR 312 - Entrepreneurial Marketing
- ENTR 415 - Entrepreneurial Finance
- MKTG 311 - Principles of Marketing

Total Credit Hours: 120

## **Chemistry with a concentration in General Chemistry, B.S.**

This degree option satisfies the requirements for certification by the American Chemical Society (ACS) and represents the minimum undergraduate preparation recommended by the ACS for professional chemists. This chemistry curriculum prepares students for careers as professional chemists and provides an excellent basis for further graduate and professional areas of study.

## **Admission Requirements for the Bachelor of Science in Chemistry**

Students must have a grade of C or higher in CHEM 161 and a grade point average of 2.0 or better to be admitted to the program.

## **Admission Criteria for Pre-Chemistry**

Any first-year student interested in graduating with a B.S. in Chemistry degree can enter Fayetteville State University as a pre-chemistry major. Once the student passes CHEM 161, he or she can switch from Pre-Chemistry to the Chemistry major.

## Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for the Bachelor of Science in Chemistry above.

**Other Major Requirements:** Students must have a grade of C or higher in all courses and a cumulative GPA of 2.0 or higher in order to graduate.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball

- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 129 - Precalculus Mathematics I
- MATH 131 - Algebra and Trigonometry

#### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory

#### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture

- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics

- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Chemistry Courses: 41

- BICH 411 - Biochemistry I
- CHEM 200 - Chemical Literature: Search and Analysis
- CHEM 211 - Analytical Chemistry Lecture
- CHEM 211L - Analytical Chemistry Laboratory
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory
- CHEM 225 - Organic Chemistry II Lecture
- CHEM 225L - Organic Chemistry II Laboratory
- CHEM 301 - Introduction to Polymer Science
- CHEM 311 - Instrumental Analysis Lecture
- CHEM 311L - Instrumental Analysis Laboratory
- CHEM 313 - Physical Chemistry I
- CHEM 313L - Physical Chemistry I Laboratory
- CHEM 314 - Physical Chemistry II
- CHEM 314L - Physical Chemistry II Laboratory
- CHEM 350 - Introduction to Undergraduate Research
- CHEM 421 - Inorganic Chemistry
- CHEM 450 - Undergraduate Research
- CHEM 499 - Chemistry Capstone

#### Chemistry Electives: 9 Credits

- CHEM 400 - Computational Chemistry
- CHEM 422 - Bioanalytical Chemistry
- CHEM 423 - Nanoscience and Nanotechnology
- CHEM 424 - Separation Science
- CHEM 430 - Special Topics in Chemistry
- CHEM 431 - Qualitative Organic Analysis
- BICH 412 - Biochemistry II
- MATS 311 - Scanning Electron Microscopy and Microanalysis
- MATS 321 - X-Ray Diffraction Analysis
- MATS 360 - Introduction to Electronic Materials
- MATS 423 - Nanoscience and Nanotechnology
- MATS 460 - Electronic Materials and Processing

#### Correlative Requirements: 25 Credits

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory

- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 242 - Calculus with Analytic Geometry III
- NSCI 100 - Calculations in Sciences
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

#### Science and Mathematics Electives: 6 Credits

- CSC 105 - Introduction to Computer Science for Technical Majors  
or
- Any BICH, BIOL, BTCH, CHEM, FORS, MATH, MATS, PHYS, or STAT courses at the 200-level or above.

Total Credit Hours: 120

### **Chemistry with a concentration in Materials Science, B.S.**

This degree option satisfies the requirements for certification by the American Chemical Society (ACS) and represents the minimum undergraduate preparation recommended by the ACS for professional chemists. This chemistry curriculum prepares students for careers as professional chemists and provides an excellent basis for further graduate and professional areas of study.

### **Admission Requirements for the Bachelor of Science in Chemistry**

Students must have a grade of C or higher in CHEM 161 and a grade point average of 2.0 or better to be admitted to the program.

### **Admission Criteria to Pre-Chemistry:**

All first-year students interested in graduating with a B.S. in Chemistry degree can enter Fayetteville State University as a pre-chemistry major. Once the student passes CHEM 161, he or she can switch from pre-Chemistry to the Chemistry major.

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for the Bachelor of Science in Chemistry above.

**Other Major Requirements:** Students must have a grade of C or higher in all courses and a cumulative GPA of 2.0 or higher in order to graduate.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and UNIV 102 - Freshman Seminar II
- UNIV 110 - University Studies
- UNIV 111 - University Studies for Student Success
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I



## Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

## Information Literacy: 3 Credits

- ENGL 120 - English Composition II

## Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 131 - Algebra and Trigonometry

## Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include a lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory

## Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History

- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas I
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 – Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PNUR 210 - Introduction to Professional Nursing
- POLI 110 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

### Chemistry Courses: 38 Credits

- BICH 411 - Biochemistry I
- CHEM 200 - Chemical Literature: Search and Analysis
- CHEM 211 - Analytical Chemistry Lecture
- CHEM 211L - Analytical Chemistry Laboratory
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory
- CHEM 225 - Organic Chemistry II Lecture
- CHEM 225L - Organic Chemistry II Laboratory
- CHEM 311 - Instrumental Analysis Lecture
- CHEM 311L - Instrumental Analysis Laboratory
- CHEM 313 - Physical Chemistry I
- CHEM 313L - Physical Chemistry I Laboratory
- CHEM 314 - Physical Chemistry II
- CHEM 314L - Physical Chemistry II Laboratory
- CHEM 350 - Introduction to Undergraduate Research
- CHEM 421 - Inorganic Chemistry
- CHEM 450 - Undergraduate Research
- CHEM 499 - Chemistry Capstone

#### Correlative Requirements: 25 Credits

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 242 - Calculus with Analytic Geometry III
- NSCI 100 - Calculations in Sciences
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

#### Concentration: 18 Credits

- MATS 160 - Introduction to Materials Science
- MATS 204 - Properties of Engineering Materials
- MATS 260 - Introduction to Nanomaterials
- MATS 301 - Introduction to Polymer Science
- MATS 311 - Scanning Electron Microscopy and Microanalysis
- MATS 321 - X-Ray Diffraction Analysis

Total Credit Hours: 120

### **Chemistry with a concentration in Pre-Health, B.S.**

# Admission Requirements for the Bachelor of Science in Chemistry

Students must have a grade of C or higher in CHEM 161 and a grade point average of 2.0 or better to be admitted to the program.

## Admission Criteria for Pre-Chemistry

Any first-year student interested in graduating with a B.S. in Chemistry degree can enter Fayetteville State University as a pre-chemistry major. Once the student passes CHEM 161, he or she can switch from Pre-Chemistry to the Chemistry major.

## Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for the Bachelor of Science in Chemistry above.

**Other Major Requirements:** Students must have a grade of C or higher in all courses and a cumulative GPA of 2.0 or higher in order to graduate.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and UNIV 102 - Freshman Seminar II
- UNIV 110 - University Studies
- UNIV 111 - University Studies for Student Success
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include a lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas I
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

## Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 – Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement



- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PNUR 210 - Introduction to Professional Nursing
- POLI 110 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Chemistry Courses: 35 Credits

- BICH 411 - Biochemistry I
- BICH 412 - Biochemistry II
- BICH 413 - Biochemistry III
- BICH 421 - Biochemistry Laboratory
- CHEM 200 - Chemical Literature: Search and Analysis
- CHEM 211 - Analytical Chemistry Lecture
- CHEM 211L - Analytical Chemistry Laboratory
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory
- CHEM 225 - Organic Chemistry II Lecture
- CHEM 225L - Organic Chemistry II Laboratory
- CHEM 311 - Instrumental Analysis Lecture
- CHEM 311L - Instrumental Analysis Laboratory
- CHEM 315 - Physical Chemistry for Life Sciences
- CHEM 398 - Pre-Health Internship
- CHEM 499 - Chemistry Capstone

#### Correlative Requirements: 21 Credits

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- NSCI 100 - Calculations in Sciences
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

Concentration: 25 Credits

- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- BIOL 230 - Human Anatomy and Physiology I
- BIOL 230L - Human Anatomy and Physiology I Laboratory
- BIOL 240 - Human Anatomy and Physiology II
- BIOL 240L - Human Anatomy and Physiology II Laboratory
- BIOL 310 - Principles of Genetics
- BIOL 330 - Microbiology and Immunology
- BIOL 330L - Microbiology and Immunology Laboratory
- PSYC 210 - General Psychology
- STAT 202 - Basic Probability and Statistics

Total Credit Hours: 120

## **Chemistry with a concentration in Pre-Pharmacy, B.S.**

## **Admission Requirements for the Bachelor of Science in Chemistry**

Students must have a grade of C or higher in CHEM 161 and a grade point average of 2.0 or better to be admitted to the program.

## **Admission Criteria for Pre-Chemistry**

Any first-year student interested in graduating with a B.S. in Chemistry degree can enter Fayetteville State University as a pre-chemistry major. Once the student passes CHEM 161, he or she can switch from Pre-Chemistry to the Chemistry major.

## **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements for the Bachelor of Science in Chemistry above.

**Other Major Requirements:** Students must have a grade of C or higher in all courses and a cumulative GPA of 2.0 or higher in order to graduate.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

## University College Core Curriculum: 39 credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and UNIV 102 - Freshman Seminar II
- UNIV 110 - University Studies
- UNIV 111 - University Studies for Student Success
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include a lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art

- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas I
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I

- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 – Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PNUR 210 - Introduction to Professional Nursing
- POLI 110 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Chemistry Courses: 32 Credits

- BICH 411 - Biochemistry I
- BICH 412 - Biochemistry II
- BICH 421 - Biochemistry Laboratory
- CHEM 200 - Chemical Literature: Search and Analysis
- CHEM 211 - Analytical Chemistry Lecture
- CHEM 211L - Analytical Chemistry Laboratory
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory
- CHEM 225 - Organic Chemistry II Lecture
- CHEM 225L - Organic Chemistry II Laboratory
- CHEM 311 - Instrumental Analysis Lecture

- CHEM 311L - Instrumental Analysis Laboratory
- CHEM 315 - Physical Chemistry for Life Sciences
- CHEM 399 - Pre-Pharmacy Internship
- CHEM 499 - Chemistry Capstone

### Biochemistry Electives: 6 Credits

Select two from the following:

- BICH 413 - Biochemistry III
- CHEM 422 - Bioanalytical Chemistry
- CHEM 425 - Bioinorganic Chemistry
- CHEM 426 - Medicinal Chemistry

### Correlative Requirements: 21 Credits

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- NSCI 100 - Calculations in Sciences
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Concentration: 22 Credits

- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- BIOL 330 - Microbiology and Immunology
- BIOL 330L - Microbiology and Immunology Laboratory
- STAT 202 - Basic Probability and Statistics
- PSYC 210 - General Psychology
- BIOL 230 - Human Anatomy and Physiology I
- BIOL 230L - Human Anatomy and Physiology I Laboratory
- BIOL 240 - Human Anatomy and Physiology II
- BIOL 240L - Human Anatomy and Physiology II Laboratory

Total Credit Hours: 120

## **Engineering 3+2 Dual Degree Program (Chemistry and Physics)**

Major Requirements: 159.0-172.0 Credits

The Bachelor of Science in Engineering at Fayetteville State University and North Carolina State University is a "3 + 2" Dual Degree Program. Students can earn two Bachelor of Science degrees in 5 years - one from each institution. Degrees are offered in chemical engineering, computer engineering, electrical engineering, and civil engineering. Credit hour totals vary by program. Courses must be selected in consultation with an advisor and FSU Engineering Coordinator. Students must maintain a GPA of 3.0 or better.

## **Minor**

### **Chemistry Minor**

#### Minor Requirements

Grade of C or higher in all minor requirements.

- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- CHEM 211 - Analytical Chemistry Lecture and
- CHEM 211L - Analytical Chemistry Laboratory
  
- CHEM 223 - Organic Chemistry I Lecture and
- CHEM 223L - Organic Chemistry I Laboratory
  
- CHEM 225 - Organic Chemistry II Lecture and
- CHEM 225L - Organic Chemistry II Laboratory

Total Credit Hours: 20

### **Materials Science Minor**

#### Minor Requirements

Grade of C or higher in all minor requirements.

Required Courses: 9 Credits

- MATS 160 - Introduction to Materials Science
- MATS 204 - Properties of Engineering Materials
- MATS 260 - Introduction to Nanomaterials

Electives: 9 Credits (minimum)



Select three courses from the following electives:

- FORS 400 - Forensic Microscopy
- MATS 214 - Solid Mechanics
- MATS 301 - Introduction to Polymer Science
- MATS 311 - Scanning Electron Microscopy and Microanalysis
- MATS 321 - X-Ray Diffraction Analysis
- MATS 360 - Introduction to Electronic Materials
- MATS 423 - Nanoscience and Nanotechnology
- MATS 460 - Electronic Materials and Processing

Total Credit Hours: 18

## **Physics Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- PHYS 125 - College Physics I and
- PHYS 125L - College Physics I Laboratory
  
- PHYS 126 - College Physics II and
- PHYS 126L - College Physics II Laboratory
  
- 10 credits of PHYS electives (200-level and above)

Total Credit Hours: 18

# Department of Mathematics and Computer Science

The Department of Mathematics and Computer Science offers four programs leading to the degree of Bachelor of Science. These degree programs are designed so that all students take the basic University College Core courses, major courses in Mathematics and Computer Science, and flexible elective choices. The department also offers minors in Mathematics and Computer Science, Cybersecurity, Data Science, Disruptive Technologies, and Geospatial Data Analytics, and courses in statistics. These programs of study prepare graduates for careers in teaching, business, industry, and government, or for further study.

## Student Learning Outcomes

### BS in Mathematics

- Student will be able to demonstrate skills in solving mathematical problems;
- Student will be able to comprehend mathematical principles and logic;
- Student will be able to demonstrate knowledge of mathematical modeling and proficiency in using mathematical software;
- Student will be able to manipulate and analyze data numerically and/or graphically using appropriate software; and
- Student will be able to communicate effectively mathematical ideas/results verbally or in writing.

### BS in Computer Science

- An ability to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions;
- An ability to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline;
- An ability to communicate effectively in a variety of professional contexts;
- An ability to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles;
- An ability to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline; and
- An ability to apply computer science theory and software development fundamentals to produce computing-based solutions.

## Major

### Computer Science, B.S.

## Program Requirements

**Core Requirements:** Minimum of 39 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Students must earn a grade of C or higher in all major CSC courses and have a minimum GPA of 2.0. Any student enrolled in a CSC or MATH course who does not meet the prerequisites for that course will be dropped.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 39 Credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

## Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

## Information Literacy: 3 Credits

- ENGL 120 - English Composition II

## Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 129 - Precalculus Mathematics I  
and
- MATH 130 - Precalculus Mathematics II  
or
- MATH 131 - Algebra and Trigonometry

## Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following sequences:

- BIOL 150 - Principles of Biology I and
- BIOL 150L - Principles of Biology I Laboratory and
- BIOL 160 - Principles of Biology II and
- BIOL 160L - Principles of Biology II Laboratory  
or
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory and
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory  
or
- PHYS 125 - College Physics I and

- PHYS 125L - College Physics I Laboratory and
- PHYS 126 - College Physics II and
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment

- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Computer Science Courses: 50 Credits

- CSC 120 - Introduction to Programming Methodology
- CSC 130 - Program Design and Implementation
- CSC 201 - Computer Organization and Architecture I
- CSC 207 - Symbolic Programming
- CSC 220 - Data Structure/Algorithms
- CSC 303 - Computer Organization and Architecture II
- CSC 320 - Design and Analysis of Algorithms
- CSC 322 - Programming Languages
- CSC 351 - Computer Ethics and Service Learning
- CSC 431 - Operating Systems I
- CSC 470 - Software Engineering
- CSC 490 - Senior Project
- Three credits from CSC 200 or higher
- Three credits from CSC 300 or higher
- Three credits from CSC 400 or higher

#### Select one from the following:

- CSC 202 - Object Oriented Programming in C/ C++
- CSC 204 - Object Oriented Programming in Java

#### Mathematics and Statistics: 17 Credits

- MATH 142 - Calculus with Analytic Geometry I
- MATH 150 - Discrete Mathematics I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 251 - Linear Algebra
- STAT 270 - Probability and Statistics in Computer Science

#### Major Electives: 6 Credits

Select three credits from MATH 242, MATH 260, MATH 300 or higher, PHYS 200 or higher, or STAT 300 or higher. Select an additional three credits from CSC 300 or higher, GEOG 320, GEOG 325, MATH 242, MATH 260, MATH 300 or higher, PHYS 200 or higher, or STAT 300 or higher.

Students must enroll in the GEOINT certificate program and complete the program to be eligible to have GEOG 320 or GEOG 325 counted towards computer science major requirements.

- MATH 242 - Calculus with Analytic Geometry III
- MATH 260 - Foundations of Mathematics
- MATH 300 or higher
- GEOG 320 - Introduction to Geographic Information Systems
- GEOG 325 - Applied Geographic Information Systems
- CSC 300 - Professional Practice in Computing or higher
- PHYS 200 or higher
- STAT 300 or higher

#### Science Elective: 4 Credits

Select at least four credits in addition to core requirements from the following:

- BIOL 150 - Principles of Biology I and
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II and
- BIOL 160L - Principles of Biology II Laboratory
- BIOL 200 - Cellular Biology
- BIOL 220 - General Zoology or higher
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- CHEM 220 - Principle of Organic Chemistry
- PHYS 125 - College Physics I and
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II and
- PHYS 126L - College Physics II Laboratory
- PHYS 211 - Mechanics
- PHYS 212 - Heat

#### Electives: 4 Credits

Total Credit Hours: 120



## Computer Science, Geospatial Data Analytics Concentration, B.S.

**Core Requirements:** Minimum of 39 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Students must earn a grade of C or higher in all major CSC courses and have a minimum GPA of 2.0. Any student enrolled in a CSC or MATH course who does not meet the prerequisites for that course will be dropped.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball

- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 129 - Precalculus Mathematics I and
- MATH 130 - Precalculus Mathematics II
- or
- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following sequences:

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory

or

- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory

or

- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music

- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- GLBL 200 - Global Literacy Experience I
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools

- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Computer Science Courses: 50 Credits

- CSC 120 - Introduction to Programming Methodology
- CSC 130 - Program Design and Implementation
- CSC 201 - Computer Organization and Architecture I
- CSC 205 - Programming for Geographical Information Systems
- CSC 207 - Symbolic Programming
- CSC 220 - Data Structure/Algorithms
- CSC 303 - Computer Organization and Architecture II
- CSC 305 - Geospatial Databases
- CSC 320 - Design and Analysis of Algorithms
- CSC 322 - Programming Languages
- CSC 351 - Computer Ethics and Service Learning
- CSC 405 - Geospatial Applications of Data Analytics
- CSC 431 - Operating Systems I
- CSC 470 - Software Engineering
- CSC 490 - Senior Project

Select one of the following:

- CSC 202 - Object Oriented Programming in C/ C++
- CSC 204 - Object Oriented Programming in Java

Geospatial Science Courses: 3 Credits

- GEOG 320 - Introduction to Geographic Information Systems

## Mathematics and Statistics: 17 Credits

- MATH 142 - Calculus with Analytic Geometry I
- MATH 150 - Discrete Mathematics I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 251 - Linear Algebra
- STAT 270 - Probability and Statistics in Computer Science

## Major Electives: 3 Credits

Select three credits from the following:

Students must enroll in the GEOINT certificate program and complete the program to be eligible to have GEOG 325 counted towards computer science major requirements.

- GEOG 325 - Applied Geographic Information Systems
- MATH 242 - Calculus with Analytic Geometry III
- MATH 260 - Foundations of Mathematics
- CSC 300 or higher
- MATH 300 or higher
- PHYS 200 or higher
- STAT 300 or higher

## Science Electives: 4 Credits

Select at least four credits (lecture + lab or single 4-credit course) in addition to core requirements from the following:

- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- BIOL 200 - Cellular Biology
- BIOL 200L - Cellular Biology Laboratory
- BIOL 220 - General Zoology or higher
- BIOL 220L - General Zoology Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- CHEM 220 - Principle of Organic Chemistry
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory
- PHYS 211 - Mechanics
- PHYS 212 - Heat

Electives: 4 Credits

Total Credit Hours: 120

## **Engineering 3+2 Dual Degree Program (Mathematics and Computer Science)**

Major Requirements: 159.0-172.0 Credits

The Bachelor of Science in Engineering at Fayetteville State University and North Carolina State University is a "3 + 2" Dual Degree Program. Students can earn two Bachelor of Science degrees in 5 years - one from each institution. Degrees are offered in chemical engineering, computer engineering, electrical engineering, and civil engineering. Credit hour totals vary by program. Courses must be selected in consultation with an advisor and FSU Engineering Coordinator. Students must maintain a GPA of 3.0 or better.

## **Mathematics with a Teaching Licensure Concentration (Secondary Education 9-12), B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Declaration of Major and Pre-Major Requirements for the College of Education:** See "Admission Requirements" on the College of Education catalog page.

**Program Admission Requirements:** Student must have a grade point average of 2.7 (3.0 preferred) or better with at least 30 earned hours to be admitted to the program.

**Major Requirements:** A student must pass prerequisite courses with a grade of C or higher before enrolling in subsequent courses. The mathematics major must complete a departmental comprehensive examination in the senior year. Any student enrolled in a CSC or MATH course who does not meet the prerequisites for that course will be dropped. Students must earn a grade of C or higher in all major courses and have a minimum GPA of 2.7.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II



### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I  
and
- MATH 130 - Precalculus Mathematics II  
or
- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- BIOL 150 - Principles of Biology I and
- BIOL 150L - Principles of Biology I Laboratory and
- BIOL 160 - Principles of Biology II and
- BIOL 160L - Principles of Biology II Laboratory  
or
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory and
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory  
or
- PHYS 125 - College Physics I and
- PHYS 125L - College Physics I Laboratory and
- PHYS 126 - College Physics II and
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics

- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I

- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

#### Ethics and Civic Engagement: 3 Credits

- EDUC 211 - Laboratory Experiences in Area Schools

#### Program Requirements: 81 Credits

##### Mathematics Courses: 42 Credits

- MATH 142 - Calculus with Analytic Geometry I
- MATH 150 - Discrete Mathematics I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 242 - Calculus with Analytic Geometry III
- MATH 251 - Linear Algebra
- MATH 260 - Foundations of Mathematics
- MATH 262 - Modern Geometry
- MATH 312 - History of Mathematics
- MATH 331 - Differential Equations I
- MATH 361 - Introduction to Modern Algebra I
- MATH 485 - Teaching Secondary School Mathematics Using Technology I
- Select any two 400-level MATH courses

##### Other Course Requirements: 6 Credits

- STAT 301 - Introduction to Probability
- CSC 105 - Introduction to Computer Science for Technical Majors or higher CSC course

## Professional Education Courses: 33 Credits

- SPED 320 - Education of the Exceptional Child
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- EDUC 455 - Classroom Management and Principles of Secondary Teaching
- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools
- READ 320 - Teaching Reading in the Content Areas

Total Credit Hours: 120

## Mathematics, B.S.

### Program Requirements

**Core Requirements:** Minimum of 39 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** The mathematics major must complete a departmental comprehensive examination in the senior year. Any student enrolled in a CSC or MATH course who does not meet the prerequisites for that course will be dropped. Students must earn a grade of C or higher in all major courses and have a minimum GPA of 2.0.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success

or

- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

- MATH 129 - Precalculus Mathematics I  
and
- MATH 130 - Precalculus Mathematics II  
or
- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- BIOL 150 - Principles of Biology I and
- BIOL 150L - Principles of Biology I Laboratory and
- BIOL 160 - Principles of Biology II and
- BIOL 160L - Principles of Biology II Laboratory  
or
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory and
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory  
or
- PHYS 125 - College Physics I and
- PHYS 125L - College Physics I Laboratory and
- PHYS 126 - College Physics II and
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

## Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society

- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Mathematics Courses: 48 Credits

- MATH 142 - Calculus with Analytic Geometry I
- MATH 150 - Discrete Mathematics I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 242 - Calculus with Analytic Geometry III
- MATH 251 - Linear Algebra
- MATH 260 - Foundations of Mathematics



- MATH 262 - Modern Geometry
- MATH 312 - History of Mathematics
- MATH 331 - Differential Equations I
- MATH 361 - Introduction to Modern Algebra I
- Three credits from MATH 300 or higher
- MATH 412 - Advanced Calculus
- Nine credits from MATH 400 or higher

#### Other Course Requirements: 17 Credits

- STAT 301 - Introduction to Probability
- Three credits from STAT 302 or higher
- CSC 120 - Introduction to Programming Methodology
- CSC 130 - Program Design and Implementation
- Three credits from CSC 200 or higher, or STAT 270 or higher

#### Restricted Electives: 10 Credits

Select at least 10 credits in addition to the Scientific Literacy - Natural Sciences requirement and the other course requirements from the following:

- BIOL 150-BIOL 499
- CHEM 141-CHEM 499
- CSC 200-CSC 499
- MATH 300-MATH 499
- PHYS 125-PHYS 499
- STAT 300-STAT 499
- ECON 200-ECON 499
- MATS 100-MATS 499

Electives: 6 Credits

Total Credit Hours: 120

## Minor

### Computer Science Minor

#### Minor Requirements

Grade of C or higher in all minor requirements.

- MATH 150 - Discrete Mathematics I
- CSC 120 - Introduction to Programming Methodology
- CSC 130 - Program Design and Implementation

- CSC 220 - Data Structure/Algorithms
- Three credits of CSC electives at 200 level or above

Total Credit Hours: 17

## Cybersecurity Minor

### Minor Requirements

Grade of C or higher in all minor/ certificate requirements. A computer science major who has satisfied the requirements will be awarded a certificate in cybersecurity. A degree seeking student who is not majoring in computer science will be awarded a minor in cybersecurity.

- MATH 123 - College Algebra or higher
- STAT 202 - Basic Probability and Statistics or equivalent \*
- CSC 270 - Networking Basics
- CSC 280 - Computer Security Basics
- CSC 281 - Mobile and Web Applications Security
- CSC 282 - Exploring Threats, Malwares, and Mitigations

Total Credit Hours: 18

\* BADM 216, CRJC 315, POLI 240, PSYC 233, SOCI 331, or SWRK 310

## Data Science Minor

Grade of C or higher in all minor requirements.

### Minor Requirements

- MATH 123 - College Algebra or higher
- STAT 202 - Basic Probability and Statistics  
or equivalent (BADM 216, CRJC 315, POLI 240, PSYC 233, SOCI 331, or SWRK 310)
- STAT 300 - Introduction to Data Science
- STAT 310 - Statistical Modeling for Data Science
- STAT 380 - Data Products Development

Total Credit Hours: 15

## Disruptive Technologies Minor

Grade of C or higher in all minor requirements.

Required Courses: 12 Credits

### Artificial Intelligence: 3 Credits

- CSC 434 - Artificial Intelligence  
or
- ENGL 370 - Special Topics (will cover natural language processing when offered for the minor)  
or
- PSYC 421 - Cognitive Psychology

### Internet of Things: 3 Credits

- CSC 203 - Internet of Things

### Data Science: 3 Credits

- SOCI 333 - Data Analysis  
or
- STAT 210 - Basic Data Science with IBM Watson Studio

### Ethics of Disruptive Technologies: 3 Credits

- PHIL 270 - Ethics and Intelligence: Is the Robot a Frankenstein's Monster?

### Elective Courses: 6 Credits

Select two from the following:

- CSC 280 - Computer Security Basics
- CSC 390 - Topics in Computer Science (will cover blockchain or Dell certifications and design thinking when offered for the minor)
- ENEC 400 - Sustainability Leadership
- ENGL 335 - Publishing Studio
- ENGL 420 - Digital Rhetoric and Content Writing

Total Credit Hours: 18

## **Geospatial Data Analytics Minor**

Grade of C or higher in all minor requirements.

### Minor Requirements

- CSC 205 - Programming for Geographical Information Systems
- CSC 305 - Geospatial Databases
- CSC 405 - Geospatial Applications of Data Analytics
- CSC 485 - Geospatial Data Analytics Senior Project

- GEOG 320 - Introduction to Geographic Information Systems
- STAT 270 - Probability and Statistics in Computer Science

Total Credit Hours: 18

## **Mathematics Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

(Additional mathematics courses may be required based on profile examinations. MATH 129-MATH 130 with a grade of C or better in each will substitute for MATH 131.)

- MATH 131 - Algebra and Trigonometry
- MATH 142 - Calculus with Analytic Geometry I
- MATH 241 - Calculus with Analytic Geometry II
- MATH 242 - Calculus with Analytic Geometry III
- Six credits of MATH electives at 200 level or above

Total Credit Hours: 21

## **Certificate**

### **Cybersecurity Certificate**

#### Certificate Requirements

Grade of C or higher in all minor/ certificate requirements. A computer science major who has satisfied the requirements will be awarded a certificate in cybersecurity. A degree seeking student who is not majoring in computer science will be awarded a minor in cybersecurity.

- MATH 123 - College Algebra or higher
- STAT 202 - Basic Probability and Statistics or equivalent \*
- CSC 270 - Networking Basics
- CSC 280 - Computer Security Basics
- CSC 281 - Mobile and Web Applications Security
- CSC 282 - Exploring Threats, Malwares, and Mitigations

Total Credit Hours: 18

\* BADM 216, CRJC 315, POLI 240, PSYC 233, SOCI 331, or SWRK 310

# School of Nursing

The School of Nursing at Fayetteville State University (SON-FSU) was established in 1992 to provide baccalaureate education to registered nurses. Today, the department offers two tracks for students seeking a Bachelor of Science Degree in Nursing – the Generic Track and the RN to BSN completion track. Graduates of the program are nurse generalists who are prepared to function in six interrelated roles: advocate, clinician, collaborator/coordinator, educator, leader, and consumer of research.

The program holds membership in the American Association of Colleges of Nursing (AACN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE), a subsidiary of AACN. The Generic Track of the Bachelor of Science in Nursing program also has full approval of the North Carolina Board of Nursing.

The educational objectives of the Bachelor of Science in Nursing (BSN) program are consistent with the mission of the Department of Nursing, the mission of Fayetteville State University, the Commission on Collegiate Nursing Education (CCNE), and the laws, rules, and standards of the North Carolina Board of Nursing.

## **The Four Year Generic Track**

The four year generic track is designed for students who want to be professional Registered Nurses. Upon completion of the program of study, the student will receive the Bachelor of Science in Nursing and be eligible upon recommendation of the Department Chair and approval of the Board of Nursing to take the National Licensure Examination for Registered Nurses (NCLEX-RN) to become licensed as a Registered Nurse. The program provides a foundation for graduate education.

The nursing curriculum is composed of two components: pre-nursing and upper division nursing. The pre-nursing component is composed of a minimum of three academic semesters and one summer semester of prerequisite courses or the equivalent. The upper division comprises four academic semesters and one summer semester after admission to the upper division.

## **Bachelor of Science in Dental Hygiene (pending final approval)**

The Dental Hygiene program at Fayetteville State University was established in 2020 to provide baccalaureate education to dental hygienists. Graduates of the program are generalists who are prepared to function in six interrelated roles: advocate, clinician, collaborator/coordinator, educator, leader, and consumer of research.

The program will seek initial accreditation from the Commission on Dental Accreditation (CODA) during its first year. The educational objectives of the Bachelor of Science in Dental Hygiene programs are consistent with the mission of Fayetteville State University and the Commission on Dental Accreditation.

The degree completion program builds on the community college transfer articulation the associates degree in dental hygiene.

## **Bachelor of Science in Respiratory Therapy (pending final approval)**

The Respiratory Therapy program at Fayetteville State University was established in 2020 to provide baccalaureate education to respiratory therapy. Graduates of the program are generalists who are prepared to function in six interrelated roles: advocate, clinician, collaborator/coordinator, educator, leader, and consumer of research.

The program will seek initial accreditation from the Commission on Accreditation for Respiratory Care (COARC) during its first year. The educational objectives of the Bachelor of Science in Respiratory Therapy programs are consistent with the mission of Fayetteville State University and the Commission on Accreditation for Respiratory Care.

The degree completion program builds on the community college transfer articulation of the associates degree in respiratory therapy.

## **Learning Outcomes: Four Year Generic Track**

- Synthesize empirical and theoretical knowledge from nursing, the natural, social and applied sciences, and the humanities to achieve optimal health care outcomes for clients throughout the lifecycle in a variety of settings.
- Demonstrate competency in the utilization of systematic and purposeful application of the nursing process to promote the optimal health of clients throughout the life cycle in a variety of settings
- Collaborate with interdisciplinary teams to provide culturally competent, patient centered care to clients throughout the lifecycle.
- Utilize the principles of economics and social justices to enhance accessibility to health care and thereby decreasing health disparities.
- Utilize critical thinking and ethical decision making to enhance quality improvement in the outcomes of patient care and the health care needs of the community.
- Integrate informatics and technological advancement into the delivery of nursing practice.
- Utilize knowledge and leadership skills to manage systems that are responsive to the health care needs of southeastern North Carolina, the state, the nation and the global society.
- Apply research findings to support evidence-based best practices in the delivery of nursing interventions to improve health care of a diverse population.

## **Learning Outcomes: Dental Hygiene**

- Demonstrate critical thinking, information management, leadership and ethical behaviors in interactions with individuals, groups, organizations and populations in healthcare.
- Demonstrate knowledge in critical care to interpret pertinent clinical information to make recommendations for appropriate therapeutic intervention.
- Demonstrate critical thinking to understand and participate in education and research that contributes to scholarship in Dental Hygiene.
- Demonstrate competence in management, education, leadership, communication, and strategic planning in the field of Dental Hygiene.
- Incorporate interprofessional collaboration into an organizational strategic plan for improving outcomes in dental hygiene.

## **Learning Outcomes: Respiratory Therapy**

- Demonstrate critical thinking, information management, leadership and ethical behaviors in interactions with individuals, groups, organizations and populations in healthcare.
- Demonstrate knowledge in critical care pathophysiology to interpret pertinent clinical information to make recommendations for appropriate therapeutic intervention.

- Demonstrate knowledge in critical care pathophysiology to interpret pertinent clinical information to make recommendations for appropriate therapeutic intervention.
- Demonstrate competence in management, leadership, communication, and strategic planning in the field of Respiratory Therapy.
- Incorporate interprofessional collaboration into an organizational strategic plan for improving outcomes in Respiratory Therapy.

## Major

### Dental Hygiene, B.S. (PENDING APPROVAL)

#### Admission Requirements for BS in Dental Hygiene

##### All applicants must meet the following criteria:

- Admission to Fayetteville State University.
- Applications are accepted until July 1 for August admission and until December 1 for January admission.
- Active and unencumbered Dental Hygiene license.
- Evidence of an earned Associates Degree in Dental Hygiene from a CODA accredited program.

**Core Requirements:** Consistent with community college transfer articulation, students will receive 69 transfer credits from the earned Associate Degree in Dental Hygiene, 15 credit hours by examination for having passed the Registered Dental Hygiene examination (including the clinical examination)

**Program Admission Requirements:** See Admission Requirements.

**Other Major Requirements:** Grade of C or higher in upper division courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

#### Transfer/ Examination Credits: 84 Credits

Consistent with community college transfer articulation, students will receive 69 transfer credits from the earned Associate Degree in Dental Hygiene and 15 credit hours by examination for having passed the Registered Dental Hygiene examination (including the clinical examination).

#### Upper Division Interprofessional Courses: 9 Credits

- HCM 310 - Organization of Health Care System
- HIT 360 - Healthcare Information Systems
- NURS 411 - Nursing Leadership Perspectives and Trends in Contemporary Nursing Practice

#### Upper Division Courses: 27 Credits

- DENT 300 - Introduction to Advanced Professional Roles

- DENT 360 - Educational Methodology in Dental Hygiene
- DENT 370 - Current Concepts in Dental Hygiene
- DENT 400 - Research, Statistics, and Evidence-Based Practice in Dental Hygiene
- DENT 460 - Population Health Management in Dental Hygiene
- DENT 466 - Diversity and Cultural Competence in Dental Hygiene
- DENT 470 - Dental Hygiene Capstone

Total Credit Hours: 120

## **Nursing, Generic Four Year Track, B.S.**

### **Admission Requirements for BSN**

#### **Admission to the Upper Division of Nursing**

All applicants are reminded that completion of pre-nursing requirements does not automatically ensure admission to the upper division.

Applications are accepted until March 30 for August admission and September 30 for January admission.

#### **Admission Criteria to Pre-Nursing:**

- Overall GPA of 2.8 or higher. Having a GPA below 2.8 will not prevent a student from declaring pre-nursing in a future term, but the student must first raise his or her GPA to at least 2.8 before being eligible to declare pre-nursing as a major.

#### **Admission Criteria to Upper Division:**

- Submission of completed application to Nursing Department
- Successful completion of all required prerequisite courses with a grade of C or better.
- Overall GPA of 2.75 or higher and a Math/Science GPA of 2.8 or higher.
- A passing score on the Kaplan Nursing Entrance Exam.
- Required health screens and immunizations.
- Clear criminal background check and drug screens.
- Submission of writing sample.
- Interview with the Admission, Progression, and Retention Committee.

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements above.



**Other Major Requirements:** Grade of C or higher in upper division courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

## Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

## Information Literacy: 3 Credits

- ENGL 120 - English Composition II

## Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

## Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 223 - Organic Chemistry I Lecture
- CHEM 223L - Organic Chemistry I Laboratory
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PNUR 210 - Introduction to Professional Nursing
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action

Program Requirements: 88 Credits

Support Courses for the Major: 21 Credits

- STAT 202 - Basic Probability and Statistics
- PSYC 210 - General Psychology
- PSYC 331 - Developmental Psychology
- BIOL 255 - Principles of Microbiology
- BIOL 230 - Human Anatomy and Physiology I
- BIOL 230L - Human Anatomy and Physiology I Laboratory
- BIOL 240 - Human Anatomy and Physiology II
- BIOL 240L - Human Anatomy and Physiology II Laboratory

Upper Division Courses: 61 Credits

- NURS 321 - Health Assessment
- NURS 324 - Pathophysiology
- NURS 326 - Concepts Basic to Nursing
- NURS 326L - Concepts Basic to Nursing Lab
- NURS 350 - Adult Health I
- NURS 350L - Adult Health I Clinical
- NURS 360 - Pediatric Nursing
- NURS 360L - Pediatric Nursing Clinical
- NURS 361 - Obstetrics and Women's Health
- NURS 361L - Obstetrics and Women's Health Clinical
- NURS 365 - Pharmacological Concepts
- NURS 401 - Nursing Research and Theory (Pre-licensure)
- NURS 401S - Nursing Research and Theory Seminar
- NURS 405 - Psychiatric Nursing
- NURS 405L - Psychiatric Nursing Clinical
- NURS 406 - Community Health Nursing
- NURS 406L - Community Health Nursing Clinical
- NURS 410 - Nursing Leadership
- NURS 451 - Adult Health II
- NURS 451L - Adult Health II Clinical
- NURS 481 - Capstone Theory
- NURS 481L - Capstone Clinical

Major Electives: 6 Credits

- CSC 100 - Introduction to Computers
- Three foreign language credits

Total Credit Hours: 127

## **Nursing, RN-BSN Track, B.S.**

### **Admission Requirements for RN-BSN**

All applicants must meet the following criteria:

- Admission to Fayetteville State University.
- Applications are accepted July 1 for August admission and December 1 for January admission.
- Active and unencumbered RN license.
- Evidence of an earned Associates Degree in Nursing or a Hospital Diploma in Nursing from an accredited program.

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** See Admission Requirements above.

**Other Major Requirements:** Grade of C or higher in upper division courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success

or

- UNIV 112 - University Studies for Early College Students
- or Transfer Equivalency

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise
- or Transfer Equivalency

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I
- or Transfer Equivalency

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech
- or Transfer Equivalency

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II
- or Transfer Equivalency

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking

or

- PHIL 220 - Introduction to Logic
- or Transfer Equivalency

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System and
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology and
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- CHEM 105 - Introduction to Chemical Principles Lecture and
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture and
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 121 - Modern Biology
- BIOL 230 - Human Anatomy and Physiology I
- or Transfer Equivalency

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology
- or Transfer Equivalency

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre
- or Transfer Equivalency

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture



- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II
- or Transfer Equivalency

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services

- or Transfer Equivalency

### Program Requirements: 81 Credits

### Support Courses for the Major: 17 Credits

- BIOL 255 - Principles of Microbiology
- PSYC 210 - General Psychology
- BIOL 240 - Human Anatomy and Physiology II
  
- BADM 216 - Statistics for Business and Economics I  
or
- POLI 240 - Introduction to Political Statistics  
or
- PSYC 233 - Statistics for Psychology  
or
- SOCI 331 - Social Statistics  
or
- STAT 202 - Basic Probability and Statistics
  
- PSYC 320 - Theories of Learning  
or
- PSYC 331 - Developmental Psychology  
or
- PSYC 343 - Multicultural Psychology  
or
- PSYC 360 - Social Psychology  
or
- PSYC 365 - Health Psychology  
or
- PSYC 422 - Abnormal Psychology
  
- or approved equivalents from an accredited college or university

### Transferable Major Courses: 32 Credits

Validation of previous nursing education, 32 nursing credit hours transferred from ADN program, is based on successful completion of NURS 300 and NURS 320.

Transferred ADN courses accepted are:

- NUR 112
- NUR 113
- NUR 114
- NUR 212
- NUR 213
- or approved equivalents from an accredited college or university

## Upper Division Courses: 32 Credits

- NURS 300 - Transition to Professional Nursing
- NURS 310 - Transcultural Nursing
- NURS 320 - Health Assessment Across the Life Span
- NURS 325 - Pathophysiology
- NURS 400 - Nursing Research and Theory (RN to BSN)
- NURS 411 - Nursing Leadership Perspectives and Trends in Contemporary Nursing Practice
- NURS 430 - Contemporary Supportive Community Nursing
- NURS 450 - Professional Nursing Issues in Practice
- NURS 480 - Senior Practicum

Select one from the following:

- NURS 330 - Gerontological Nursing
- NURS 421 - Nursing and Women's Health

Total Credit Hours: 120

## **Respiratory Therapy, B.S. (PENDING APPROVAL)**

### **Admission Requirements for BS in Respiratory Therapy**

**All applicants must meet the following criteria:**

- Admission to Fayetteville State University.
- Applications are accepted July 1 for August admission and December 1 for January admission.
- Active and unencumbered Respiratory Therapy license.
- Evidence of an earned Associates Degree in Respiratory Therapy COARC accredited program.

**Core Requirements:** Consistent with community college transfer articulation, students will receive 61 transfer credits from the earned Associate Degree in Respiratory Therapy, 15 credit hours by examination for having passed the Registered Respiratory Therapy examination.

**Program Admission Requirements:** See Admission Requirements.

**Other Major Requirements:** Grade of C or higher in upper division courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

Transfer/ Examination Credits: 76 Credits

Consistent with community college transfer articulation, students will receive 61 transfer credits from the earned Associate Degree in Respiratory Therapy and 15 credit hours by examination for having passed the Registered Respiratory Therapy examination.

Upper Division Interprofessional Courses: 16 Credits

- HCM 310 - Organization of Health Care System
- HCM 311 - Principles of Health Care Management
- HIT 360 - Healthcare Information Systems
- NURS 325 - Pathophysiology

Upper Division Courses: 28 Credits

- RESP 300 - Introduction to Leadership and Professionalism
- RESP 311 - Outpatient Services in Respiratory Therapy
- RESP 312 - Pharmacology in Disease Management
- RESP 320 - Quality Assessment and Outcome Management
- RESP 360 - Advanced Critical Care Monitoring
- RESP 400 - Evidence Based Care/ Research in Respiratory Therapy
- RESP 430 - Neonatal/Pediatric Pathophysiology
- RESP 435 - Adult Critical Care Pathophysiology
- RESP 460 - Respiratory Therapy Capstone

Total Credit Hours: 120

## **College of Humanities and Social Sciences**

The mission of the College of Humanities and Social Sciences is to provide educational programs and services that promote and support excellence in teaching and innovative scholarship in the arts, humanities, and social sciences. The college has a collegial and distinguished faculty and staff who offer a variety of undergraduate and graduate programs to a diverse student body. Through effective teaching, active scholarship, and service, the college supports Fayetteville State University to promote the educational, cultural, social, and economic wellbeing of citizens throughout North Carolina, the nation, and the world.

The College of Humanities and Social Sciences includes the Departments of Communication, Languages, and Cultures; Criminal Justice; English: Literature, Teaching, Pre-Law, and Creative & Professional Writing; Intelligence Studies, Geospatial Sciences, Political Science, and History; Performing and Fine Arts; Psychology; Sociology and Interdisciplinary Studies and the School of Social Work. The College of Humanities and Social Sciences offers baccalaureate degrees in areas including the arts, humanities, and social sciences. The college offers a number of undergraduate online degree completion programs in Criminal Justice, Sociology, and Psychology.

The College of Humanities and Social Sciences also has a number of graduate programs. We offer master's degrees in Social Work, Psychology (counseling and experimental), Sociology, and Criminal Justice. The Master of Science Degree program in Criminal Justice is offered online, face to face, or a combination of both.

The College of Humanities and Social Sciences Office of Academic Advising serves many purposes, including the initial transfer equivalency review and advising of all transfer students interested in majors in the college, the coordination and initial advising of all online students in the college, initial advising of undeclared majors as they transition from University College, provide backup and support for faculty academic advisors in the college, and actively engage in all recruitment and advising activities such as First Steps and Open House.

## **Department of Communication, Languages, and Cultures**

The Department of Communication, Languages, and Cultures is dedicated to students at Fayetteville State University who are pursuing their academic and professional goals in Communication or Language Studies. We offer the Bachelor of Arts degree in Communication and Media Studies and the Bachelor of Arts degrees in Spanish and Spanish with Teaching Licensure (K-12). Students may also select among minors in Communication and Media Studies, Spanish, and Chinese Language and Culture. The department is committed to producing graduates with practical skills and knowledge that prepare them both for successful graduate study and the work force.

For students interested in communication, our goal is to inspire high-level thinking, research, and creative work on the topic of human communication by employing effective instructional strategies and state-of-the-art technology. Emphasis of study may include courses in speech communication, mass communication, media production, and journalism. Those interested in speech communication may follow paths toward careers in speechwriting and public speaking, communications consulting, conflict negotiation and mediation, consumer advocacy, public relations, organizational communication and training, and human resource management. Careers for those focusing on media might include station management, television, film, and radio production, and news writing, reporting, and editing.

For students interested in languages, the department provides a variety of language courses, including Spanish, Chinese, and French. The department seeks to improve the global readiness of its students, preparing them to

communicate effectively in other languages and across cultures in the region and around the globe. Students are taught and mentored by highly dedicated professors from America and around the world who are proficient in the languages they teach, as well as in the cultures that nurture those languages. Our language programs offer rich linguistic and cultural expertise that help promote our internationalization efforts at FSU. Students interested in languages may wish to follow a career as a teacher, translator, interpreter, linguist, foreign correspondent, or work in customer service, public relations, or diplomatic corps.

Departmental facilities and student organizations include the student-run newspaper, The Voice; the student-run internet radio station, Bronco-iRadio; the campus television station, Bronco Studios; the Hispanic Club; the Spanish Honor Society (Sigma Delta Pi); and the FSU Debate and Forensics Team. The department also manages a state-of-the-art computer production laboratory and a computer foreign language laboratory.

## **Learning Outcomes for BA in Communication and Media Studies**

All declared majors in Communication and Media Studies will be able to perform the following:

- Demonstrate comprehension of basic theories, principles, and concepts in communication by performing writing analyses and making oral presentations that apply these ideas to real world communication activities.
- Design, report, and discuss a communication research project that is both relevant and significant to Communication as a discipline.
- Demonstrate the ability to evaluate critically the effects of the media industry and the importance and role of journalism in modern civic society.

## **Learning Outcomes for BA in Spanish**

- Communicate fluently in Spanish.
  - Speak fluently in Spanish to be understood by native speakers.
  - Listen to and understand Spanish spoken by native speakers.
  - Read and comprehend Spanish texts.
  - Write diverse texts correctly in Spanish.
- Describe diverse Hispanic cultures, including forms of literary and artistic expression, cultural values, and traditions.
- Analyze Spanish texts of the major genres and periods of Hispanic literature.
- Identify the grammatical and discursive functions of Spanish language structures in a variety of social and cultural contexts.

## **Major**

### **Communication and Media Studies, B.A.**

## **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Grade of C or higher in all major courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II



- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology

- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions

- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 82 Credits

#### Core Courses for the Major: 27 Credits

- COMM 205 - Introduction to Communication
- COMM 210 - Introduction to Mass Communications
- COMM 250 - Presentation Technologies
- COMM 260 - Interpersonal Communication

- COMM 332 - Problems in Media Communication
- COMM 395 - Communication Theory
- COMM 410 - Communication Internship
- COMM 470 - Intercultural Communication
- COMM 490 - Communication Research

Communication Elective Requirements: 18 Credits

- 18 hours of COMM courses not required elsewhere

Electives: 31 Credits

Foreign Language Sequence: 6 Credits

Total Credit Hours: 120

## Spanish, B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Grade of C or higher is required in all major courses. SPAN 211, SPAN 212, SPAN 230, and SPAN 240 may be required based on proficiency level. Students with higher proficiency levels may substitute these courses for additional Spanish electives at the 300- and 400- level to fulfill the required number of credit hours.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 40 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
  - UNIV 102 - Freshman Seminar II
- or

- UNIV 110 - University Studies  
or
- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II

- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance

- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World



- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

#### Program Requirements: 80 Credits

#### Spanish Courses: 18 Credits

- SPAN 211 - Intermediate Spanish I
- SPAN 212 - Intermediate Spanish II
- SPAN 230 - Intermediate Spanish Conversation
- SPAN 240 - Intermediate Spanish Composition
- SPAN 311 - Advanced Spanish Conversation and Culture
- SPAN 312 - is Advanced Spanish Composition and Culture

#### Other Required Major Courses: 27 Credits

- Any 300 or 400 level SPAN courses.

#### Free Electives: 17 Credits

#### Minor or Restricted Electives: 18 Credits

Spanish majors may select any minor offered within the university (see appropriate catalog section for requirements of specific minor selected). If the student does not desire to select a minor, eighteen (18) hours of restricted electives may be selected

#### Total Credit Hours: 120

## Spanish, Teaching Licensure (K-12), B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Grade of C or higher is required in all major courses. SPAN 211, SPAN 212, SPAN 230, and SPAN 240 may be required based on proficiency level. Students with higher proficiency levels may substitute these courses for additional Spanish electives at the 300- and 400- level to fulfill the required number of credit hours. EDUC 455, EDUC 467, and READ 320 may not be taken until student is admitted to Teacher Education; EDUC 497 and EDUC 490 may not be taken until student is admitted to Student Teaching and are taken during the last and final semester.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 40 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

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- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness

- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

## Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select one from the following:

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- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

## Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

## Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

#### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools

#### Program Requirements: 80 Credits

#### Spanish Education Major Core: 18 Credits

- SPAN 211 - Intermediate Spanish I
- SPAN 212 - Intermediate Spanish II
- SPAN 230 - Intermediate Spanish Conversation
- SPAN 240 - Intermediate Spanish Composition
- SPAN 311 - Advanced Spanish Conversation and Culture
- SPAN 312 - is Advanced Spanish Composition and Culture

#### Other Required Major Courses: 27 Credits

Select one from the following:

- SPAN 321 - Spanish Civilization and Culture
- SPAN 322 - Spanish-American Civilization and Culture
- SPAN 481 - Senior Seminar
- And any eight 300 or 400 level SPAN courses.

#### Professional Education Courses: 29 Credits

- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- EDUC 455 - Classroom Management and Principles of Secondary Teaching
- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools
- READ 320 - Teaching Reading in the Content Areas

#### Free Electives: 6 Credits

Total Credit Hours: 120

## Minor

### Chinese Language and Culture Minor

#### Minor Requirements

Grade of C or higher in all minor requirements.

- CHIN 120 - Elementary Chinese II
- CHIN 210 - Intermediate Chinese I
- CHIN 220 - Intermediate Chinese II
- CHIN 330 - Classical Chinese Literature

#### Chinese Language

Select one from the following Chinese Language electives:

- CHIN 110 - Elementary Chinese I
- CHIN 310 - Advanced Chinese I

#### Chinese Culture

Select one from the following Chinese Culture electives:

- CHIN 331 - Modern Chinese Language
- CHIN 332 - Cinema and Contemporary China

- HIST 331 - History of Modern East Asia

Total Credit Hours: 18

## **Communication and Media Studies Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- COMM 205 - Introduction to Communication
- COMM 210 - Introduction to Mass Communications
- Four 210-400 level COMM/JOUR/SPEE courses

Total Credit Hours: 18

## **eSports Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

Required Courses: 12 Credit Hours

- ART 123 - Basic Digital Design
- BADM 490 - Seminar in Business Administration
- COMM 245 - Introduction to Audio Production
- ENGL 370 - Special Topics

Electives: 6 Credit Hours

- COMM 255 - Introduction to Video Production
- COMM 230 - News Reporting and Writing I
- COMM 235 - Public Relations/Advertising
- CSC 390 - Topics in Computer Science
- MKTG 333 - Social Media and Digital Marketing
- PSYC 250 - Current Topics in Psychology
- PSYC 300 - Stress Management and Wellness
- SPTM 330 - Sport Facility and Event Management

Total Credit Hours: 18



## **Spanish Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- SPAN 211 - Intermediate Spanish I
- SPAN 212 - Intermediate Spanish II
- SPAN 230 - Intermediate Spanish Conversation
- SPAN 240 - Intermediate Spanish Composition
- 6-18 credits in 300-and 400-level SPAN courses (depending on proficiency level)

Total Credit Hours: 18

## **Certificate**

### **Spanish Certificate**

Students must receive a B or higher grade in all these courses, unless receiving credit for transfer courses which are transferred in without credit. Also, students must score at or above I-2 on the AAPPL test or equivalent test.

### Certificate Requirements

- SPAN 211 - Intermediate Spanish I
- SPAN 212 - Intermediate Spanish II
- SPAN 230 - Intermediate Spanish Conversation
- SPAN 240 - Intermediate Spanish Composition
- Two 300-400 level SPAN courses

Total Credit Hours: 18

# Department of Criminal Justice

The Department of Criminal Justice offers a Bachelor of Science degree with the objectives of preparing students to engage in further study at the graduate and professional levels and to pursue careers in criminal justice. To achieve its objectives, the department requires students to complete the University College Core Curriculum, 48 or more credit hours in criminal justice, and additional requirements that will compliment education in criminal justice. A minor is not required to supplement the major, but discussion with your advisor about a minor that may complement your degree and your career/ higher education goals is encouraged. Instead, the department requires students to take free electives (any course, any level) to earn the required number of credit hours needed for the degree. The department offers an online degree completion program in cooperation with the North Carolina Community College System. Students may complete lower division classes online through the community college; required upper division classes are offered online by Fayetteville State University. The department also has articulation agreements with selected North Carolina community colleges which provide students with the knowledge needed to maximize their time at the community college in order to better facilitate degree completion upon admission to FSU.

## Declaration of Major

In order to major in criminal justice, students must have achieved the following qualifications: 2.0 GPA and earned/ enrolled in at least 24 credit hours. A student who has been accepted into the Criminal Justice major and falls below 24 enrolled hours may be dropped from the major until the 24 credit hour requirement is achieved. First time freshman should declare their major in the second semester of their academic careers, and transfer students (who have transferred in at least 12 hours and are enrolled in at least 12 hours) should declare their CRJC or OCRJ major immediately upon acceptance to FSU.

Students declaring a major in criminal justice do NOT have to choose a minor to pair with the criminal justice major.

## Information specific to Criminal Justice Majors

Students may not use life experience (field work in criminal justice or criminal justice-related field) to substitute for any classes, including CRJC 430 - Internship in Criminal Justice Systems. Students may earn 3 Phy. Ed. credits (HEED 112 and PEDU 100) and additional GSTU 200 credit for academy training (BLET, Fire Fighter, Correctional Officer) as long as the appropriate paperwork demonstrating successful completion of said academy is submitted to the Registrar's Office.

Students may take CRJC 430 - Internship in Criminal Justice Systems for three to six credit hours. Students are eligible to sign up for internship when they meet the following qualifications:

- 2.5 GPA
- 60 credit hours completed at the time the Internship begins
- Successful completion of CRJC 429 - Internship and Career Preparation in Criminal Justice
- Permission of the Internship Coordinator

Students must take CRJC 429 in order to be eligible for the internship. CRJC 429 is a three-credit course and will be located in the Free Electives area of the online degree evaluation and curriculum guide unless otherwise instructed by the Department Chair.

CRJC 370 is a Special Topics course that may be repeated two additional times (for a total of 9 credit hours of CRJC 370 maximum) as long as the topic focus is different in each case.

## Learning Outcomes

- Students will be able to demonstrate a comprehensive understanding of the components of the criminal justice system and provide a critical analysis of the state of crime and criminal justice;
- Students will demonstrate written and oral communication so they are prepared for further education and/or to communicate effectively in the field as a practitioner or advocate;
- Students will graduate with the ability to understand the proper way to both construct and analyze research on criminal justice issues and to be able to interpret statistics presented in the line of their work, academics, or presented by the media or other reporting agencies;
- Students will graduate with the ability to identify and confront ethical dilemmas in their workplaces and lives; and
- Students will graduate with the ability to identify the benefits of working, learning, and living in diverse environments and the impact of differential treatment based on people's differences.

## Major

### Criminal Justice, B.S.

## Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Grade of C or higher in all major courses. No academic credit is awarded for life experiences or for military, police academy, or other professional training. Criminal Justice majors must earn at least 50% of their credits in criminal justice through instruction offered by the institution.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and

- UNIV 102 - Freshman Seminar II  
or
- UNIV 110 - University Studies  
or
- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech
- BADM 215 - Business Communications

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II

- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- POLI 210 - Principles of American Government
- CRJC 210 - Introduction to Criminology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics

- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 82 Credits

Criminal Justice Courses: 21 Credits

- CRJC 200 - Introduction to the Criminal Justice System
- CRJC 201 - Introduction to Law Enforcement
- CRJC 215 - Introduction to Criminal Courts
- CRJC 220 - Introduction to Corrections
- CRJC 304 - Criminological Theory
- CRJC 314 - Criminal Justice Research Methods
- CRJC 450 - Seminar in Criminal Justice

Criminal Justice Electives: 27 Credits

Select nine from the following: (but not if used to satisfy core requirements)

(18 hours of major electives must be 300-400 level courses)

- CRJC 202 - Legal Aspects of Criminal Justice
- CRJC 203 - Criminal Justice Ethics  
(but not if used to satisfy core requirements)
- CRJC 210 - Introduction to Criminology  
(but not if used to satisfy core requirements)
- CRJC 212 - Juvenile Justice System
- CRJC 222 - Community Corrections
- CRJC 230 - Criminal Evidence
- CRJC 243 - Writing for Criminal Justice
- CRJC 300 - Criminal Law
- CRJC 302 - Prisons and Society
- CRJC 305 - Race, Class, and Gender in Criminal Justice
- CRJC 311 - Criminal Justice Organizations
- CRJC 313 - Victimology
- CRJC 315 - Criminal Justice Statistics
- CRJC 325 - Drugs and Crime
- CRJC 333 - Police and Society
- CRJC 335 - Media and Crime
- CRJC 340 - White Collar Crime
- CRJC 345 - Criminal Justice Leadership
- CRJC 351 - Special Problems in Criminal Justice Criminology
- CRJC 355 - Crime Prevention



- CRJC 361 - Comparative Criminal Justice
- CRJC 370 - Special Topics in Criminal Justice
- CRJC 380 - Sex, Sexuality, and the Law
- CRJC 400 - Sustainable Justice
- CRJC 402 - Restorative Justice
- CRJC 429 - Internship and Career Preparation in Criminal Justice
- CRJC 430 - Internship in Criminal Justice Systems
- CRJC 460 - Researching Criminological Theories
- CRJC 490 - Independent Study

#### Non-CRJC Courses:

Or one of the following approved, non-CRJC courses:

- ENGL 380 - Legal Studies Seminar
- GEOG 320 - Introduction to Geographic Information Systems
- 200-level language course
- SOCI 333 - Data Analysis

#### Other Required Courses: 9 Credits

(Courses taken to fulfill University College Core Curriculum requirements do not meet this requirement)

- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology
- One additional three hour course from ECON, ENEC, GEOG, INTL, HIST, HIPO, POLI, PSYC, or SOCI

#### Statistics Electives: 3 Credits

Select one from the following:

- CRJC 315 - Criminal Justice Statistics
- POLI 240 - Introduction to Political Statistics
- PSYC 233 - Statistics for Psychology
- SOCI 331 - Social Statistics

#### Computer Skills Elective: 3 Credits

Select one from the following:

- CSC 100 - Introduction to Computers
- CSC 101 - Computer Programming Language (FORTRAN)
- CSC 104 - Introduction to Computer Science for Non-Technical Majors
- BADM 214 - Microcomputer Applications in Business
- BEDU 250
- EDUC 210 - Technology Applications for Teachers

- ISBA 300 - Information Systems Theory and Practice
- SOCI 333 - Data Analysis

Minor or Free Electives: 19 Credits

Total Credit Hours: 120

## **Minor**

### **Criminal Justice Minor**

#### Minor Requirements

Grade of C or higher in all minor requirements.

- CRJC 200 - Introduction to the Criminal Justice System
- CRJC 201 - Introduction to Law Enforcement
- CRJC 215 - Introduction to Criminal Courts
- CRJC 220 - Introduction to Corrections
- Six credits of CRJC electives at 300 or 400 level

Total Credit Hours: 18

# Department of English: Literature, Teaching, Pre-Law, and Creative & Professional Writing

The Department of English: Literature, Teaching, Pre-Law, and Creative & Professional Writing strives to contribute to the liberal arts education of all students. Through its English composition courses, the department seeks to ensure that all students develop effective written communication skills. Courses in literature introduce students to different genres, stylistic periods, and methods of interpretation of literature. The Bachelor of Arts degree program is offered by the department in English Language and Literature. In conjunction with the School of Education, the department also offers a teaching degree in English Language and Literature. In addition, the department features a minor in English, a minor in teaching English as a second language, and a minor in writing.

These programs prepare students to succeed in an increasingly information-based economy. The liberal arts education provided by the department prepares students for a variety of career options in fields such as education, publishing, new media, finance, politics, law, and the performing arts. Students in our department are prepared for any field which requires effective communication skills.

The department is the home of *Conjure*, the literary journal of Fayetteville State University. Other departmental resources include a Writing Center as part of the University College, a Computer Composition Laboratory, the Charles Waddell Chesnutt Library, and several student organizations.

## Online Degree Completion

The BA in English Language and Literature can be completed online.

## Learning Outcomes

### BA in English Language and Literature

- Describe characteristics of literature in English from diverse literary historical periods and cultures.
- Correctly apply literary terminology for narrative, poetic, and dramatic genres.
- Use literary critical perspectives to generate original analyses of literature in English.
- Compose diverse researched and/or original texts in varied genres and formats, using various composing processes, technologies, and/or multimodal formats.
- Relate language patterns to cultural values.
- Locate and evaluate discipline-specific sources, and incorporate and cite sources according to the MLA style manual.

### BA in English Language and Literature with a Teaching Licensure Concentration (Secondary English 9-12)

- Analyze texts from diverse historical periods.
- Compose diverse researched and/or original texts in varied genres and formats, using various composing processes, technologies, and/or multimodal formats.

- Select materials, design lesson plans, and present age-appropriate material on issues related to English language, the process of writing, and literature, including literature written specifically for adolescents.
- Compare and contrast language structures and explain relationships between language and culture.
- Locate and evaluate discipline-specific sources, and incorporate and cite sources according to the MLA style manual.

## Major

### English Language and Literature, B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Grade of C or higher is required in all courses used to fulfill major requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking

- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I

- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment



- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 82 Credits

### English Literature Courses: 28 Credits

- ENGL 411 - Shakespeare
- ENGL 470 - Senior Capstone Course

### Select five from the following:

(at least six credits must be at the 300 level)

- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 311 - English Literature I
- ENGL 312 - English Literature II
- ENGL 321 - American Literature I
- ENGL 322 - American Literature II

### English Language and Professional Writing Courses

### Select one from the following:

- ENGL 222 - History of the English Language
- ENGL 230 - Introduction to Linguistics
- ENGL 231 - Advanced Grammar

### Select one from the following:

- ENGL 335 - Publishing Studio
- ENGL 341 - Advanced Research and Argumentation
- ENGL 342 - Creative Writing
- ENGL 343 - Teaching and Tutoring Writing
- ENGL 344 - Business and Professional Writing

- ENGL 345 - Technical Writing
- ENGL 346 - Creative Nonfiction Workshop
- ENGL 347 - Writing Children's Literature
- ENGL 420 - Digital Rhetoric and Content Writing

### Major Electives: 18 Credits

Select six ENGL or TESL courses (200-400 level). At least nine credits must be taken at the 300 or 400 level.

### Foreign Language Courses: 6 Credits

Any two foreign language courses.

### Minor or Electives: 30 Credits

Any minor and/or elective credits.

Total Credit Hours: 120

## English Language and Literature, Creative and Professional Writing Concentration, B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Grade of C or higher is required in all courses used to fulfill major requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38-40 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 – Freshman Seminar I and

- UNIV 102 – Freshman Seminar II

or

- UNIV 110 – University Studies

or

- UNIV 111 – University Studies for Student Success

or

- UNIV 112 – University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 – Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3-4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7-8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
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- BIOL 111 - General Biology I
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- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology Lab I
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology Lab II
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I

- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History

- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- GLBL 200 - Global Literacy Experience I
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions



- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sports
- SWRK 220 - Introduction to Human Services

### Program Requirements: 82 Credits

Courses taken to fulfill university core requirements do not count toward concentration requirements.

### English Language and Literature Courses: 27 Credits

Select six of the following:

- ENGL 212 - World Literature II
- ENGL 223 - African-American Literature II
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- ENGL 260 - North Carolina Writers
- ENGL 300 - Children's Literature
- ENGL 301 - Adolescent Literature
- ENGL 312 - English Literature II
- ENGL 322 - American Literature II
- ENGL 340 - Short Prose Fiction
- ENGL 350 - Modern Poetry
- ENGL 360 - Modern Drama
- ENGL 431 - The Novel

Any three additional ENGL or TESL courses (200-400 level)

### Creative Writing Courses: 31 Credits

ENGL 370 may be taken more than once as the topic changes.

- ENGL 470 - Senior Capstone Course
- ENGL 420 - Digital Rhetoric and Content Writing

Eight of the following:

- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 241 - Editing and Proofreading
- ENGL 335 - Publishing Studio
- ENGL 342 - Creative Writing
- ENGL 345 - Technical Writing
- ENGL 346 - Creative Nonfiction Workshop
- ENGL 347 - Writing Children's Literature
- ENGL 370 - Special Topics
- ENGL 480 - Internship
- ENGL 542 - Advanced Creative Writing (see graduate catalog for description)
- THEA 320 - Playwriting for Stage and Screen

Foreign Language Courses: 6 Credits

Any two foreign language courses.

Minor or Electives: 18 Credits

Any minor and/ or elective credits.

Total Credit Hours: 120

## **English Language and Literature, Pre-Law and Paralegal Studies Concentration, B.A.**

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements. Students in the English Language and Literature, Pre-Law and Paralegal Studies Concentration must take PHIL 220 to satisfy the core requirement in Reasoning Skills-Critical Thinking.

**Other Major Requirements:** Grade of C or higher is required in all courses used to fulfill major requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38-40 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 – Freshman Seminar I and
- UNIV 102 – Freshman Seminar II

or

- UNIV 110 – University Studies

or

- UNIV 111 – University Studies for Student Success

or

- UNIV 112 – University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 – Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3-4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

#### Scientific Literacy - Natural Sciences: 7-8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space

- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Lab
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Lab
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology Lab I
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology Lab II
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I

- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature

- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- GLBL 200 - Global Literacy Experience I

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action



- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sports
- SWRK 220 - Introduction to Human Services

Program Requirements: 82 Credits

English Courses: 25 Credits

- ENGL 470 - Senior Capstone Course
- ENGL 480 - Internship
- ENGL 371 - Literary Theory and Criticism
- ENGL 380 - Legal Studies Seminar
- ENGL 381 - Legal Research and Writing

Select one from the following:

- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II

Select one from the following:

- ENGL 311 - English Literature I
- ENGL 312 - English Literature II
- ENGL 321 - American Literature I
- ENGL 322 - American Literature II

Select one from the following:

- ENGL 401 - Chaucer
- ENGL 411 - Shakespeare

- ENGL 431 - The Novel
- ENGL 432 - Romantic Poetry and Prose

### English Language and Professional Writing Courses: 15 Credits

Select five courses from the following:

- ENGL 370 - Special Topics
- ENGL 420 - Digital Rhetoric and Content Writing
- ENGL 341 - Advanced Research and Argumentation
- ENGL 342 - Creative Writing
- ENGL 344 - Business and Professional Writing
- ENGL 345 - Technical Writing
- ENGL 346 - Creative Nonfiction Workshop
- ENGL 335 - Publishing Studio
- ENGL 409 - Sociolinguistics and Pragmatics
- ENGL 230 - Introduction to Linguistics
- ENGL 231 - Advanced Grammar
- TESL 450 - Literacy Development and Assessment in ESL
- TESL 441 - Trends and Issues in Teaching ESL

### Pre-Law and Paralegal Interdisciplinary Electives: 30 Credits

- ACCT 211 - Principles of Accounting I
- ECON 211 - Principles of Macroeconomics
- HIPO 341 - Constitutional Law and History
- PHIL 220 - Introduction to Logic (if not taken to satisfy core requirements)
- POLI 200 - Introduction to Political Science  
(if not taken to satisfy core requirements)

Select three from the following:

At least four of the legal specialty courses must be taken in the traditional classroom setting (includes ENGL 380, ENGL 381, and HIPO 341)

- BADM 209 - Legal Environments of Business
- BADM 412 - Business Law
- COMM 450 - Telecommunications Law
- CRJC 300 - Criminal Law
- CRJC 380 - Sex, Sexuality, and the Law
- HCM 330 - Healthcare Policy and Law
- POLI 412 - Administrative Law
- POLI 432 - International Law
- ENEC 435 - Environmental Law and Administration

Select four from the following:

- Any ENGL or TESL 300-400 level courses
- FINC 311 - Principles of Finance
- HIPO 440 - Modern Ideologies
- PHIL 320 - Introduction to Ethics
- POLI 460 - History of Political Theory II

Foreign Language Courses: 6 Credits

Any two foreign language courses

Free Electives: 6 Credits

Select any courses

Total Credit Hours: 120

## **English Language and Literature, Teaching Licensure Concentration (Secondary English 9-12), B.A.**

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Grade of C or higher is required in all courses used to fulfill major requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or

- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab

- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections

- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics

- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport

Program Requirements: 82 Credits

English Courses: 13 Credits

- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 371 - Literary Theory and Criticism
- ENGL 411 - Shakespeare
- ENGL 470 - Senior Capstone Course

Major Electives: 27 Credits

Select one from the following:

- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- ENGL 310 - Introduction to Folklore

Select one from the following:

- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 301 - Adolescent Literature

Select one from the following:

- ENGL 222 - History of the English Language
- ENGL 230 - Introduction to Linguistics
- ENGL 231 - Advanced Grammar



- ENGL 409 - Sociolinguistics and Pragmatics

Select one from the following:

- ENGL 311 - English Literature I
- ENGL 312 - English Literature II
- ENGL 432 - Romantic Poetry and Prose

Select one from the following:

- ENGL 321 - American Literature I
- ENGL 322 - American Literature II
- ENGL 340 - Short Prose Fiction
- TESL 441 - Trends and Issues in Teaching ESL

Select one from the following:

- ENGL 343 - Teaching and Tutoring Writing
- TESL 410 - Theories and Principles in Teaching ESL
- TESL 450 - Literacy Development and Assessment in ESL

Select one from the following:

- ENGL 335 - Publishing Studio
- ENGL 341 - Advanced Research and Argumentation
- ENGL 420 - Digital Rhetoric and Content Writing

Select two additional ENGL or TESL courses (200-499)

Professional Education Courses: 36 Credits

- EDUC 210 - Technology Applications for Teachers
- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- EDUC 455 - Classroom Management and Principles of Secondary Teaching
- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools
- READ 320 - Teaching Reading in the Content Areas

Foreign Language Courses: 6 Credits

Any two foreign language courses.

Total Credit Hours: 120

## **Minor**

### **Creative and Professional Writing Minor**

#### Minor Requirements

Grade of C or higher in all minor requirements.

Classes taken to fulfill university core requirements cannot be counted toward the minor/ certificate.

ENGL 370 may be taken more than once as the topic changes.

ENGL 420 and ENGL 470 are listed twice below because students may choose to take both classes.

- ENGL 420 - Digital Rhetoric and Content Writing  
or
- ENGL 470 - Senior Capstone Course

Choose five courses from the following:

- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ENGL 241 - Editing and Proofreading
- ENGL 335 - Publishing Studio
- ENGL 342 - Creative Writing
- ENGL 344 - Business and Professional Writing
- ENGL 345 - Technical Writing
- ENGL 346 - Creative Nonfiction Workshop
- ENGL 347 - Writing Children's Literature
- ENGL 370 - Special Topics
- ENGL 420 - Digital Rhetoric and Content Writing
- ENGL 470 - Senior Capstone Course
- ENGL 480 - Internship
- ENGL 542 - Advanced Creative Writing (see graduate catalog for description)
- THEA 320 - Playwriting for Stage and Screen

Total Credit Hours: 18

## **English Minor**

#### Minor Requirements

Grade of C or higher in all minor requirements.

- ENGL courses (200-400 level). At least nine credits must be taken at the 300-400 levels.

Total Credit Hours: 18

## **Global Studies Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

### Required Courses

Select 6 courses from the following:

- GLBL
- Global Internship
- GU
- Study Abroad
- ANTH 310 - Cross-Cultural Studies in Anthropology
- ART 321 - Ancient to Medieval Art
- ART 322 - Renaissance to Modern Art
- ART 361 - African Art
- ART 381 - Islamic Art
- CHIN 310 - Advanced Chinese I
- CHIN 330 - Classical Chinese Literature
- CHIN 331 - Modern Chinese Language
- CHIN 332 - Cinema and Contemporary China
- COMM 385 - International Communication
- CRJC 361 - Comparative Criminal Justice
- DANC 320 - Cultural Dance for Contemporary Applications: Cultural Dance for Contemporary Applications
- ECON 351 - International Trade and Finance
- ENGL 311 - English Literature I
- ENGL 312 - English Literature II
- ENGL 320 - The Renaissance
- ENGL 323 - Literature of the Bible
- ENGL 340 - Short Prose Fiction
- ENGL 350 - Modern Poetry
- ENGL 360 - Modern Drama
- ENGL 401 - Chaucer
- ENGL 411 - Shakespeare
- ENGL 412 - Eighteenth Century
- ENGL 432 - Romantic Poetry and Prose
- FINC 354 - International Trade and Finance
- FINC 440 - International Financial Management
- FREN 311 - French Conversation I

- FREN 312 - French Conversation II
- FREN 321 - French Civilization and Culture
- FREN 322 - Survey of French Literature I
- FREN 331 - Survey of French Literature II
- GEOG 321 - Geography of the Soviet Union
- GEOG 322 - Geography of Latin America
- GEOG 330 - Geography of Africa
- GLBL 300 - Global Literacy Experience II
- HCM 390 - Comparative Health Systems
- HIPO 310 - Political History of Contemporary China
- HIST 311 - Early Modern European History, 1600-1789
- HIST 312 - Modern European History, 1789 to the Present
- HIST 331 - History of Modern East Asia
- HIST 350 - History of Latin America
- HIST 351 - Ancient History
- HIST 352 - North Africa and the Middle East
- HIST 353 - History of Mexico
- HIST 370 - Africa South of the Sahara
- HIST 371 - Renaissance and Reformation
- HIST 372 - History of Women in the Western World
- HIST 375 - Women In Africa
- HIST 380 - Medieval Europe
- HIST 430 - Twentieth Century Europe
- HIST 431 - Russia to 1917
- HIST 432 - History of the Soviet Union
- HIST 441 - History of England
- HIST 442 - History of Modern Germany
- HIST 451 - French Revolution and Napoleon
- HIST 470 - Colonialism and Neo-Colonialism
- HIST 480 - Problems in European History
- INTL 420 - Anthropological Issues in Intelligence
- INTL 450 - International Terrorism
- INTL 462 - International Weapons Proliferation and Weapons of Mass Destruction
- MGMT 425 - International Business Management
- MKTG 421 - International Marketing
- PHIL 330 - Ancient and Medieval Philosophy
- PHIL 360 - Existentialism
- POLI 350 - Government and Politics of Africa
- POLI 351 - Government and Politics of Europe
- POLI 352 - Government and Politics of Asia
- POLI 353 - Middle East Politics
- POLI 430 - International Politics
- POLI 431 - International Organization
- POLI 432 - International Law
- SOCI 375 - Comparative Societies
- SOCI 430 - Demography

- SPAN 300 - Spanish for Business
- SPAN 311 - Advanced Spanish Conversation and Culture
- SPAN 312 - is Advanced Spanish Composition and Culture
- SPAN 320 - Advanced Spanish Grammar
- SPAN 321 - Spanish Civilization and Culture
- SPAN 322 - Spanish-American Civilization and Culture
- SPAN 331 - Survey of Spanish Literature I
- SPAN 332 - Survey of Spanish Literature II
- SPAN 341 - Survey of Spanish-American Literature I
- SPAN 342 - Survey of Spanish-American Literature II
- SPAN 350 - Study Abroad Project
- SPAN 411 - The Nineteenth Century Spanish Novel
- SPAN 420 - Introduction to Spanish Linguistics I
- SPAN 421 - Introduction to Spanish Linguistics II
- SPAN 431 - Drama of the Golden Age
- SPAN 441 - Cervantes
- SPAN 450 - Spanish Language Studies
- SPAN 451 - Contemporary Spanish
- SPAN 460 - Cultural Topics
- SPAN 461 - Studies in Latin American Prose Fiction
- SPAN 470 - Hispanic Literature
- SPAN 471 - Studies in Latin American Prose Fiction
- SPAN 481 - Senior Seminar

Total Credit Hours: 18

## **Pre-Law and Paralegal Studies Minor**

Grade of C or higher in all minor requirements.

At least four of the legal specialty courses must be taken in the traditional classroom setting.

### **Certificate Requirements**

- ENGL 380 - Legal Studies Seminar
- ENGL 381 - Legal Research and Writing
- HIPO 341 - Constitutional Law and History

Select three from the following:

- BADM 209 - Legal Environments of Business
- BADM 412 - Business Law
- COMM 450 - Telecommunications Law
- CRJC 300 - Criminal Law
- CRJC 380 - Sex, Sexuality, and the Law
- ENEC 435 - Environmental Law and Administration

- HCM 330 - Healthcare Policy and Law
- POLI 412 - Administrative Law
- POLI 432 - International Law

Total Credit Hours: 18

## **Teaching English as a Second Language Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- ENGL 230 - Introduction to Linguistics
- ENGL 409 - Sociolinguistics and Pragmatics
- TESL 410 - Theories and Principles in Teaching ESL
- TESL 441 - Trends and Issues in Teaching ESL
- TESL 450 - Literacy Development and Assessment in ESL
- ENGL 231 - Advanced Grammar
- or
- ENGL 343 - Teaching and Tutoring Writing
- or
- READ 422 - Teaching Reading to Culturally Diverse Children

Total Credit Hours: 18

# Department of Intelligence Studies, Geospatial Science, Political Science, and History

The mission of the Department of Intelligence Studies, Geospatial Science, Political Science, and History is to provide effective instruction and educational programs in geography, history, intelligence studies, and political science. The department offers bachelor's degrees and minors in geospatial science, history, intelligence studies, and political science. The department also offers minors in philosophy, public administration, and sustainability as well as a minor and certificate program in Geospatial Intelligence (GEOINT). The department supports the activities of its student honor societies and clubs, which include the History Honor Society Phi Alpha Theta, the Political Science Honor Society Pi Sigma Alpha, the International Social Science Honor Society Pi Gamma Mu, the History Club, the Organization of Security Students, the Political Science Club, the Pre-Law Club, and the Model UN. The department is committed to the mission of Fayetteville State University in accommodating the higher educational needs of its students and providing life-long experiences and cultural opportunities for members of its immediate and extended communities.

## Online Degree Completion

Degrees in intelligence studies, history, and political science can be completed online.

## Learning Outcomes

### B.A. Geospatial Science

- Demonstrate knowledge of the basic concepts of physical and human geography.
- Define and explain the spatial interactions between human activities and environmental conservation.
- Demonstrate problem solving skills in the discipline with the use of Geographical Information Systems (GIS) and other geospatial techniques.
- Develop writing skills, oral communication skills, and global literacy skills as applicable to spatial analysis of the human environment.

### B.A. History

- Produce critically analyzed scholarship by using the latest technology to access available historical sources and applying historical methodology.
- Identify and distinguish historical eras and periods.
- Evaluate major historical figures and contributions of specific groups.
- Analyze significant historical events.
- Examine major historical interpretations.

### B.A. Intelligence Studies

- Identify and distinguish the basic concepts and theoretical approaches to the emerging discipline of Intelligence Studies.
- Research, examine, and critique, orally and in writing, major issues, concerns, and debates—including ethics—within the emerging discipline and related disciplines such as Security Studies.
- Apply foreign cultural and linguistic knowledge to structure intelligence problems and provide solutions in response to security in the local, state, national, and international communities.

- Analyze the planning, implementing, and evaluating of intelligence activities in any setting (military/government, business/corporate, law enforcement/security) from the local to the global stage.
- Integrate theoretical approaches with practice through internships and service learning, as a professional intelligence analyst in the public and private sector.

#### B.A. Political Science

- Demonstrate the basic concepts and theoretical approaches in the discipline.
- Explain a thorough knowledge of the content, issues, concerns and debates within the sub-fields of the discipline: American Politics; Comparative Politics; International Relations; Public Administration; and Political Theory.
- Apply their mastery of concepts and content to relate the historical to the present nature of politics and governance.
- Apply theories and research methods to understand new and complex phenomena.
- Construct theoretical approaches with practice through internships.
- Develop writing skills, oral communication skills and computer literacy.
- Develop critical thinking skills and construct a sense of the responsibilities of democratic citizenship / personal political efficacy.

## Major

### Geospatial Science, B.A.

## Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Grade of C or higher required in all major courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or



- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- BADM 215 - Business Communications  
or
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory

- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy

- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture

- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 82 Credits

Geospatial Science Courses: 24 Credits

- GEOG 210 - Principles of Geography \*
- GEOG 220 - World Regional Geography \*
- GEOG 310 - Economic Geography
- GEOG 314 - Introduction to Remote Sensing
- GEOG 320 - Introduction to Geographic Information Systems
- GEOG 350 - Physical Geography
- GEOG 440 - Urban Geography
- GEOG 480 - Seminar in Geography

Geospatial Science Electives: 6 Credits

Two GEOG electives at the 200 level or higher.

Restricted Electives: 21 Credits

Select from at least three different disciplines from the following:

- ANTH 200-499
- ASTR 100-499
- CHEM 100-CHEM 499
- CRJC 100-499
- CSC 100-499
- ECON 100-499
- ENEC 200-499
- GEOL 100-499
- HIST 100-499

- INTL 100-499
- MATH 100-499
- PHYS 100-499
- POLI 100-499
- PSYC 100-499
- SOCI 100-499

Minor or Electives: 18 Credits

As designated by the selected program or free electives.

Electives: 13 Credits

\* May also satisfy a University College Core requirement. If so used, must be offset by an equal number of credit hours in the program.

Total Credit Hours: 120

## History, B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Minimum GPA of 2.0. Grade of C or higher in all major courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies

- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 100 - Individual Physical Education Activities
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture



- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music

- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy

- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

History Courses: 33 Credits

- HIST 110 - World History to 1600 \*
- HIST 120 - World History since 1600 \*
- HIST 210 - African-American History \*
- HIST 211 - The United States to 1865
- HIST 212 - The United States since 1865 \*
- HIST 311 - Early Modern European History, 1600-1789
- HIST 312 - Modern European History, 1789 to the Present
- HIST 490 - Senior Seminar

Non-Western History Courses

Select three from the following:

- HIST 270 - An Introduction to Africa in the World \*
- HIST 331 - History of Modern East Asia
- HIST 350 - History of Latin America
- HIST 352 - North Africa and the Middle East
- HIST 353 - History of Mexico
- HIST 370 - Africa South of the Sahara
- HIST 375 - Women In Africa

Major Electives: 12 Credits

Choose four courses from any 300 or 400 level HIST or HIPO designation.

## Social Science Requirements: 12 Credits

Select four from the following:

- ANTH 200-499\*
- ECON 200-499\*
- ENEC 210-499\*
- GEOG 200-499\*
- HIST 100-299\*
- INTL 200-499\*
- POLI 200-499\*
- SOCI 200-499\*

## Free Electives: 24 Credits

Eighteen hours of elective or minor courses. Six hours of free elective courses.

Total Credit Hours: 120

\* May also satisfy a University College Core requirement. If so used, must be offset an equal number of credit hours in the program.

## Intelligence Studies, B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** Minimum GPA of 2.0. Grade of C or higher in all major courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and

- UNIV 102 - Freshman Seminar II  
or
- UNIV 110 - University Studies  
or
- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or

- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I

- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.



Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 82 Credits

Intelligence Studies Core Courses: 15 Credits

- INTL 200 - Intelligence and National Security
- INTL 210 - Introduction to Intelligence Analysis
- INTL 220 - Intelligence Operations
- INTL 400 - Advanced Intelligence Analysis
- INTL 480 - Senior Seminar

Intelligence Studies Major Elective Courses: 18 Credits

Select six from the following:

- INTL 300 - Law Enforcement Intelligence
- INTL 310 - Corporate Intelligence
- INTL 320 - Intelligence and Military Operations
- INTL 330 - The History of Intelligence
- INTL 410 - Ethics and Intelligence
- INTL 420 - Anthropological Issues in Intelligence
- INTL 430 - Strategic Intelligence Issues
- INTL 440 - Emerging International Security Threats
- INTL 450 - International Terrorism

- INTL 460 - National Security Policy
- INTL 470 - Internship
- INTL 490 - Advanced Readings and Research

### History/Political Science Elective: 6 Credits

Select two from the following:

- HIST 340 - American Diplomatic History
- HIST 362 - American Military Experience
- HIST 450 - History of Terrorism and Insurgency
- HIST 460 - Problems in American History
- POLI 420 - Research Methods in Public Management
- POLI 422 - American Foreign Policy
- POLI 430 - International Politics
- POLI 431 - International Organization
- POLI 432 - International Law

### Statistics Electives: 3 Credits

Select one from the following:

- SOCI 331 - Social Statistics
- SOCI 333 - Data Analysis
- PSYC 233 - Statistics for Psychology
- STAT 202 - Basic Probability and Statistics
- CRJC 315 - Criminal Justice Statistics
- POLI 240 - Introduction to Political Statistics

### Computer Skills Electives: 6 Credits

Choose two from the following:

- CSC 100 - Introduction to Computers
- CSC 105 - Introduction to Computer Science for Technical Majors
- CSC 205 - Programming for Geographical Information Systems
- ISBA 300 - Information Systems Theory and Practice
- GEOG 314 - Introduction to Remote Sensing
- GEOG 320 - Introduction to Geographic Information Systems
- GEOG 325 - Applied Geographic Information Systems

### Area Studies: 6 Credits

Select two from the following:

- GEOG 220 - World Regional Geography \*
- HIPO 310 - Political History of Contemporary China

- HIST 331 - History of Modern East Asia
- HIST 350 - History of Latin America
- HIST 352 - North Africa and the Middle East
- HIST 370 - Africa South of the Sahara
- POLI 350 - Government and Politics of Africa
- POLI 351 - Government and Politics of Europe
- POLI 352 - Government and Politics of Asia
- POLI 353 - Middle East Politics

Foreign Language: 6 Credits

Two courses of a foreign language sequence.

Minor or Electives: 18 Credits

As designated by selected program or free electives.

Free Elective: 4 Credits

Total Credit Hours: 120

\* May also satisfy a University College Core requirement. If so used, must offset by an equal number of credit hours in the program.

## **Political Science, B.A.**

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking

or

- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab

- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance

- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World

- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Political Science Courses: 30 Credits

- POLI 200 - Introduction to Political Science \*
- POLI 210 - Principles of American Government \*
- POLI 220 - Principles of Public Administration \*
- POLI 230 - Ethics and Global Affairs \*
- POLI 240 - Introduction to Political Statistics \*
- POLI 450 - History of Political Theory
- POLI 460 - History of Political Theory II

Choose two from the following:

- HIPO 310 - Political History of Contemporary China
- POLI 350 - Government and Politics of Africa
- POLI 351 - Government and Politics of Europe
- POLI 352 - Government and Politics of Asia
- POLI 353 - Middle East Politics
- POLI 430 - International Politics
- POLI 431 - International Organization

Choose one of the following:

- POLI 471 - Research Seminar
- POLI 480 - Senior Seminar
- POLI 481 - Senior Seminar - Selected Problems in Public Management
- POLI 490 - Advanced Reading and Research



### Major Electives: 15 Credits

Choose five courses from ENEC 210-499 or any POLI or HIPO designation.

### Social Sciences Requirements: 12 Credits

Choose four courses from the following:

- ECON 200-499
- GEOG 200-499
- HIST 200-499
- INTL 200-499
- SOCI 200-499

### Minor or Electives: 18 Credits

As designated by the selected program or free electives.

### Electives: 6 Credits

### Total Credit Hours: 120

\* May also satisfy a University College Core requirement. If so used, must be offset by an equal number of credit hours in the program.

## **Political Science, Environmental Politics and Policy, B.A.**

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 38-40 Credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 – Freshman Seminar I and

- UNIV 102 – Freshman Seminar II

or

- UNIV 110 – University Studies

or

- UNIV 111 – University Studies for Student Success

or

- UNIV 112 – University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking

- FINC 100 - Financial Literacy

- GEOG 110 - Environmental Literacy

- HEED 112 - Health and Wellness

- HEED 113 – Health, Fitness, and Wellness

- PEDU 101 - Swimming (Coed)

- PEDU 107 - Weight Training

- PEDU 112 - Golf

- PEDU 120 - Tennis and Badminton

- PEDU 122 - Volleyball

- PEDU 130 - Basketball

- PEDU 132 - Bowling

- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3-4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7-8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe

- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Lab
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Lab
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology Lab I
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology Lab II
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II

- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women

- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- GLBL 200 - Global Literacy Experience I
- HIST 110 - World History to 1600

- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment

- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sports
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

Some courses listed under Program Requirements may also satisfy University College Core requirements. If a course is used to satisfy a core requirement, it must be offset by an equal number of credit hours in the program. A single course will not satisfy both core and concentration requirements.

### Political Science Courses: 30 Credits

- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- POLI 230 - Ethics and Global Affairs
- POLI 240 - Introduction to Political Statistics
- POLI 450 - History of Political Theory
- POLI 460 - History of Political Theory II

Choose two from the following:

- POLI 350 - Government and Politics of Africa
- POLI 351 - Government and Politics of Europe
- POLI 352 - Government and Politics of Asia
- POLI 353 - Middle East Politics
- POLI 430 - International Politics
- POLI 431 - International Organization
- HIPO 310 - Political History of Contemporary China

Choose one of the following:

- POLI 471 - Research Seminar
- POLI 480 - Senior Seminar



- POLI 481 - Senior Seminar - Selected Problems in Public Management
- POLI 490 - Advanced Reading and Research

### Concentration Courses: 15 Credits

Choose three courses from any ENEC 100-499 designation.

#### **Choose two courses from the following:**

- HIST 271 - Environmental History
- PHIL 250 - Environmental Ethics
- Any POLI or HIPO designation course

### Social Science Requirements: 12 Credits

Choose four courses from the following:

- ECON 200-499
- GEOG 200-499
- HIST 200-499
- INTL 200-499
- SOCI 200-499

### Minor or Electives: 18 Credits

As designated by the selected program or free electives.

Electives: 6 Credits

Total Credit Hours: 120

## **Political Science, Public Administration, B.A.**

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

## Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

## Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

## Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

## Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

## Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture

- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art

- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I

- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 81 Credits

#### Major Courses: 30 Credits

- POLI 200 - Introduction to Political Science \*
- POLI 210 - Principles of American Government \*
- POLI 220 - Principles of Public Administration \*
- POLI 230 - Ethics and Global Affairs \*
- POLI 240 - Introduction to Political Statistics \*
- POLI 450 - History of Political Theory
- POLI 460 - History of Political Theory II

Choose two from the following:

- POLI 321 - Public Personnel Management

- POLI 330 - Public Financial Management
- POLI 400 - Administration of Urban Government
- POLI 401 - Federalism and Intergovernmental Relations
- POLI 402 - Public Policy Formulation
- POLI 412 - Administrative Law
- POLI 431 - International Organization

Choose one from the following:

- POLI 471 - Research Seminar
- POLI 480 - Senior Seminar
- POLI 481 - Senior Seminar - Selected Problems in Public Management
- POLI 490 - Advanced Reading and Research

Major Electives: 15 Credits

Choose five courses from ENEC 210-499 or any POLI or HIPO designation.

Concentration Courses: 15 Credits

(Students with prior administrative or leadership experience may choose an elective in place of POLI 470)

- ENEC 400 - Sustainability Leadership
- ENEC 435 - Environmental Law and Administration
- POLI 301 - Organizational Theory
- POLI 425 - Public Leadership and Management
- POLI 320 - State and Local Government
- POLI 420 - Research Methods in Public Management
- POLI 470 - Government Internship

Social Science Requirement: 9 Credits

Choose three courses from the following:

- ECON 200-499
- GEOG 200-499
- HIST 200-499
- INTL 200-499
- SOCI 200-499

Electives: 12 Credits

Total Credit Hours: 120

\* May also satisfy a University College Core requirement. If so used, must be offset by an equal number of credit hours in the program.

## **Minor**

### **Environmental Politics and Policy Minor**

#### Minor Requirements

Grade of C or higher in all minor requirements.

#### Required Course

- ENEC 300 - Environmental Politics and Policy

Five of the following:

- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 210 - Introduction to Sustainability
- ENEC 270 - Climate Change and Public Policy
- ENEC 400 - Sustainability Leadership
- ENEC 420 - Natural Resource Management and Environmental Policy
- ENEC 435 - Environmental Law and Administration
- HIST 271 - Environmental History
- HIST 375 - Women In Africa
- PHIL 250 - Environmental Ethics

Total Credit Hours: 18

### **Geospatial Intelligence (GEOINT) Minor**

#### Minor Requirements

Students must receive a grade of C or higher in all these courses unless receiving credit for transfer courses which are transferred in without credit.

- CSC 205 - Programming for Geographical Information Systems  
or
- GEOG 317 - Computer Techniques in Geography
- GEOG 311 - Spatial Thinking and Data Visualization
- GEOG 314 - Introduction to Remote Sensing
- GEOG 320 - Introduction to Geographic Information Systems
- GEOG 325 - Applied Geographic Information Systems
- INTL 320 - Intelligence and Military Operations
- GEOG 485 - Capstone Seminar in Geospatial Intelligence (GEOINT)

Total Credit Hours: 21



## **Geospatial Science Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- GEOG 210 - Principles of Geography
- GEOG 220 - World Regional Geography
- 12 credits of GEOG 200-499 electives

Total Credit Hours: 18

## **History Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 210 - African-American History
- HIST 211 - The United States to 1865
- HIST 212 - The United States since 1865
- Three credits selected from Asian, African, Latin American, or Middle Eastern history

Total Credit Hours: 18

## **Intelligence Studies Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- INTL 200 - Intelligence and National Security
- INTL 210 - Introduction to Intelligence Analysis
- INTL 220 - Intelligence Operations
- INTL 400 - Advanced Intelligence Analysis

### Electives

Select two from the following electives:

- INTL 300 - Law Enforcement Intelligence
- INTL 310 - Corporate Intelligence
- INTL 320 - Intelligence and Military Operations
- INTL 330 - The History of Intelligence

- INTL 410 - Ethics and Intelligence
- INTL 420 - Anthropological Issues in Intelligence
- INTL 430 - Strategic Intelligence Issues
- INTL 440 - Emerging International Security Threats
- INTL 450 - International Terrorism
- INTL 460 - National Security Policy
- INTL 462 - International Weapons Proliferation and Weapons of Mass Destruction
- INTL 470 - Internship
- INTL 480 - Senior Seminar
- INTL 490 - Advanced Readings and Research

Total Credit Hours: 18

## **Philosophy Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

Select six PHIL courses beyond PHIL 110:

- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 210 - Introduction to Philosophy
- PHIL 211 - Introduction to World Religions
- PHIL 212 - African-American Philosophy
- PHIL 220 - Introduction to Logic
- PHIL 230 - Political and Social Philosophy
- PHIL 250 - Environmental Ethics
- PHIL 270 - Ethics and Intelligence: Is the Robot a Frankenstein's Monster?
- PHIL 310 - Philosophy of Religion
- PHIL 315 - Philosophy of Mind
- PHIL 320 - Introduction to Ethics
- PHIL 330 - Ancient and Medieval Philosophy
- PHIL 340 - Modern Philosophy
- PHIL 360 - Existentialism
- PHIL 370 - Philosophy of Science
- PHIL 430 - Seminar in Philosophy

Total Credit Hours: 18

## **Political Science Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 320 - State and Local Government
- POLI 450 - History of Political Theory
- POLI 460 - History of Political Theory II

One course selected from the following:

- HIPO 310 - Political History of Contemporary China
- POLI 350 - Government and Politics of Africa
- POLI 351 - Government and Politics of Europe
- POLI 352 - Government and Politics of Asia
- POLI 353 - Middle East Politics

Total Credit Hours: 18

## **Public Administration and Policy Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- ENEC 210 - Introduction to Sustainability
- ENEC 270 - Climate Change and Public Policy
- ENEC 400 - Sustainability Leadership
- ENEC 300 - Environmental Politics and Policy
- ENEC 420 - Natural Resource Management and Environmental Policy
- ENEC 435 - Environmental Law and Administration
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- POLI 301 - Organizational Theory
- POLI 321 - Public Personnel Management
- POLI 330 - Public Financial Management
- POLI 400 - Administration of Urban Government
- POLI 401 - Federalism and Intergovernmental Relations
- POLI 402 - Public Policy Formulation
- POLI 412 - Administrative Law
- POLI 425 - Public Leadership and Management
- POLI 431 - International Organization
- POLI 442 - Public Policy Analysis

Total Credit Hours: 18

## **Sustainability Minor**

## Minor Requirements

1. Three restricted electives may be taken from different disciplines/ areas in order to ensure that all students add breadth to their major course of study.

2. Grade of C or higher in all minor requirements.

\*Courses within the program that have been taken to satisfy University College core requirements must be offset by an equal number of credit hours in the program.

One required course (3 credits) from the following:

- ENEC 200-299

Three restricted elective courses (9 credits) from the following:

- ENEC 300-499
- ECON 100-499
- SOCI 100-499
- ANTH 305 - Selected Topics in Anthropology
- ANTH 310 - Cross-Cultural Studies in Anthropology
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BADM 220 - Ethics in a Contemporary World
- BIOL 350 - Ecology
- BIOL 445 - Evolution
- BTCH 340 - Toxicology
- CHEM 315 - Physical Chemistry for Life Sciences
- CHEM 425 - Bioinorganic Chemistry
- CRJC 400 - Sustainable Justice
- ENGL 321 - American Literature I
- ENGL 380 - Legal Studies Seminar
- ENTR 300 - Entrepreneurial Discovery and Creativity
- ETCE 200 - Ethics and Civic Engagement in Action
- FINC 354 - International Trade and Finance
- FINC 440 - International Financial Management
- GEOG 270 - Human Beings and the Environment
- GEOG 320 - Introduction to Geographic Information Systems
- GEOG 412 - Ecological Biogeography
- HIST 271 - Environmental History
- HIST 375 - Women In Africa
- INTL 460 - National Security Policy
- INTL 462 - International Weapons Proliferation and Weapons of Mass Destruction
- MKTG 421 - International Marketing
- MGMT 425 - International Business Management
- NURS 320 - Health Assessment Across the Life Span
- PHIL 250 - Environmental Ethics

- POLI 353 - Middle East Politics
- POLI 430 - International Politics
- PSYC 350 - Industrial and Organizational Psychology
- SWRK 220 - Introduction to Human Services
- SWRK 330 - Human Behavior in the Social Work Environment I
- SWRK 445 - Cultural Diversity

Two free electives (6 credits)

Total Credit Hours: 18

## **Certificate**

### **Geospatial Intelligence (GEOINT) Certificate Program**

#### **Certificate Requirements**

Students must receive a grade of C or higher in all certificate requirements unless receiving credit for transfer courses which are transferred in without credit.

- CSC 205 - Programming for Geographical Information Systems  
or
- GEOG 317 - Computer Techniques in Geography
- GEOG 311 - Spatial Thinking and Data Visualization
- GEOG 314 - Introduction to Remote Sensing
- GEOG 320 - Introduction to Geographic Information Systems
- GEOG 325 - Applied Geographic Information Systems
- INTL 320 - Intelligence and Military Operations
- GEOG 485 - Capstone Seminar in Geospatial Intelligence (GEOINT)

Total Credit Hours: 21

# Department of Performing and Fine Arts

The main purpose of the Department of Performing and Fine Arts is to produce graduates that are prepared to pursue careers in the arts in all their polysemy. To this end, the department enriches its curricula by providing artist-in-residence programs, distinguished visiting professorships, and special courses that offer opportunities to study at national and international cultural centers with world-class artist-teachers. The department offers programs of study leading to the following degrees: BA in Art Education, BA in Studio Arts, BA in Digital Art, BA in Music Education, BA in Music, and BA in Theatre. The department also offers minors in Dance, Music, Theatre, and Visual Arts.

The Department of Performing and Fine Arts aspires to enhance the quality of life of the individual and that of a diverse community by: 1) becoming a center and resource for teacher excellence in arts education, 2) enriching the communities' quality of life via activities in music, visual arts, and theater, 3) promoting a climate for scholarly engagement with the arts, and 4) providing life-long learning experiences with the arts. Above all, the department seeks to build community through the arts.

## Learning Outcomes

### BA in Visual Arts

- Students will demonstrate comprehension of content knowledge and production processes in visual arts disciplines.
- Students will apply and synthesize the elements of art and principles of design.
- Students will demonstrate critical thinking through analysis and evaluation of works of art.
- Students will demonstrate mastery of their designated area of concentration.
- Students will demonstrate the ability to construct and defend a composition through the oral, written, and visual presentation of their work.
- Students will demonstrate comprehension of global perspectives in visual culture.

### BA in Art Education

- Demonstrate synthesis of instructional design by devising lesson and unit plans appropriate to the learners' correct level of difficulty.
- Demonstrate effective application of multiple assessment procedures.
- Demonstrate synthesis of instructional design by devising lessons and/or projects that integrate content knowledge, global awareness, and interdisciplinary approaches.
- Demonstrate effective pedagogical practice in the classroom (Student teaching).
- Demonstrate application and analysis of content knowledge.

### BA in General Music

- Students will demonstrate and apply essential skills of musical performance.
- Students will possess comprehensive knowledge of music theory and demonstrate essential aural skills.
- Students will possess a comprehensive knowledge of music history and synthesize the analysis of literature, performance styles, and genres of Western and non-Western music.
- Students will devise a construct of music through aesthetic experience and critical and creative thinking.

### BA in Music Education

- Students will demonstrate and apply essential skills of musical performance.
- Students will possess a comprehensive knowledge of music theory and demonstrate essential aural skills.
- Students will possess a comprehensive knowledge of music history and synthesize the analysis of literature, performance styles, and genres of Western and non-Western music.
- Students will devise a construct of music through aesthetic experience and critical and creative thinking.
- Students will analyze and synthesize pedagogical strategies, assessment, and the nature of the learner.

#### BA in Theatre

- Demonstrate competency in creating, researching, critically analyzing, and evaluating a theatrical artifact.
- Implement conceptually, critically, and practically the components integral to the theatrical artifact.
- Identify and understand historical, multicultural, and social contexts for an artifact as they pertain to significant periods, genres, and styles.
- Exhibit competency in the responsibilities involved in collaborating as a production team member.

## Major

### Music, Music Education-Choral/ General, B.A.

## Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** A placement test in music theory and performance is required before enrolling in any courses as a major. Students must complete or test out of MUSI 100 and MUSI 102 and perform a successful audition to be admitted into the Music Education degree program. Student must fulfill all requirements for admission to Teacher Education. EDUC 211 must be completed in the second year. Admission to Teacher Education required before enrolling in EDUC 460, EDUC 480, EDUC 490, and READ 320. Please consult music program handbook for additional information.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. In order to graduate, students in this degree program must: 1. Obtain a grade of C or higher in all music and education courses; 2. Pass the Piano Proficiency Exam; 3. Pass the PRAXIS I Exam or submit proof of exemption; 4. Complete juries each semester of applied lessons; 5. Pass the Sophomore Qualifying Exam (prior to 300 level of applied lessons); 6. Successfully complete a Senior Recital in the semester before graduation and perform a senior recital hearing one month before the scheduled recital date; 7. Earn a grade of P in MUSI 165 for five semesters.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits



Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory

- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

- MUSI 260 - African-American Music

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology

- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools

### Program Requirements: 82 Credits

#### Music Core Courses: 21 Credits

- MUSI 152 - Harmony, Sight Singing, and Ear Training I
- MUSI 201 - Piano Skills I (Not required for Keyboard primary; replace with elective credit)
- MUSI 202 - Piano Skills II (Not required for Keyboard primary; replace with elective credit)
- MUSI 281 - Harmony, Sight Singing, and Ear Training II
- MUSI 292 - Harmony, Sight Singing, and Ear Training III
- MUSI 351 - Music History I
- MUSI 352 - Music History II
- MUSI 381 - Harmony, Sight Singing, and Ear Training IV
- MUSI 391 - Conducting (Elementary)

#### Music Education Courses: 22 Credits

- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects
- MUSI 155 - Exploration in Music Education
- MUSI 221 - Foundations of Teaching for Music
- MUSI 241 - Class Strings
- MUSI 242 - Class Woodwinds
- MUSI 252 - Class Voice II
- MUSI 331 - Instructional and Classroom Design in Music
- MUSI 341 - Class Brass
- MUSI 342 - Class Percussion
- MUSI 396 - Instrumental Conducting
- MUSI 421 - Instrumental Literature
- MUSI 431 - Orchestration
- MUSI 441 - Methods and Materials (Elementary)

### Applied Instrumental Courses: 8 Credits

- MUSI 165 - Music Seminar/Recital Hour (students need to enroll in MUSI 165 each semester during their applied music sequence)
- MUSI 499 - Senior Recital

(Each applied instrumental course must be completed two times in the 100-300 levels and only once at the 400 level).

- MUSI 169 - Applied Organ
- MUSI 269 - Applied Organ
- MUSI 369 - Applied Organ
- MUSI 469 - Applied Organ
- or
- MUSI 171 - Applied Piano
- MUSI 271 - Applied Piano
- MUSI 371 - Applied Piano
- MUSI 471 - Applied Piano
- or
- MUSI 177 - Applied Voice
- MUSI 277 - Applied Voice
- MUSI 377 - Applied Voice
- MUSI 477 - Applied Voice

### Ensemble Requirements: 7 Credits

#### Major Ensembles

Courses repeated for credit. Select four major ensembles from the following:

- MUSI 110 - Choir

#### Chamber Ensembles

Courses repeated for credit. Select three chamber ensembles from the following:

- MUSI 111 - Chamber Ensemble
- MUSI 150 - Opera Workshops

Music Electives: 3 Credits

\*If student does not test out of MUSI 100, use those credits in place of Music Electives.

- MUSI 100 - Basic Musicianship (Or three credits selected from the following)
- MUSI 118 - Foundations of Music Tech I
- MUSI 218 - Foundations of Music Technology II
- MUSI 225 - A History of Jazz in American Culture
- MUSI 262 - Diction
- MUSI 285 - World Music Cultures
- MUSI 350 - Band Pedagogy
- MUSI 360 - Trumpet Pedagogy I
- MUSI 370 - Percussion Pedagogy I
- MUSI 430 - Keyboard Literature
- MUSI 440 - Woodwind Literature
- MUSI 460 - Trumpet Pedagogy II
- MUSI 462 - Music Composition
- MUSI 470 - Percussion Pedagogy II
- MUSI 491 - Vocal Literature
- MUSI 492 - Keyboard Pedagogy

Professional Education Courses: 21 Credits

- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools
- READ 320 - Teaching Reading in the Content Areas

Total Credit Hours: 120

## **Music, Music Education-Instrumental/ General, B.A.**

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** A placement test in music theory and performance is required before enrolling in any courses as a major. Students must complete or test out of MUSI 100 and MUSI 102 and

perform a successful audition to be admitted into the Music Education degree program. Student must fulfill all requirements for admission to Teacher Education. EDUC 211 must be completed in the second year. Admission to Teacher Education required before enrolling in EDUC 460, EDUC 480, EDUC 490, and READ 320. Please consult music program handbook for additional information.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. In order to graduate, students in this degree program must: 1. Obtain a grade of C or higher in all music and education courses; 2. Pass the Piano Proficiency Exam; 3. Pass the PRAXIS I Exam or submit proof of exemption; 4. Complete juries each semester of applied lessons; 5. Pass the Sophomore Qualifying Exam (prior to 300 level of applied lessons); 6. Successfully complete a Senior Recital in the semester before graduation and perform a senior recital hearing one month before the scheduled recital date; 7. Earn a grade of P in MUSI 165 for five semesters.

### University College Core Curriculum: 38 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball

- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

#### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

## Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

## Humanities and Creative Arts: 3 Credits

- MUSI 260 - African-American Music

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I



- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools

### Program Requirements: 82 Credits

#### Music Core Courses: 21 Credits

- MUSI 152 - Harmony, Sight Singing, and Ear Training I
- MUSI 201 - Piano Skills I (Not required for Keyboard primary; replace with elective credit)
- MUSI 202 - Piano Skills II (Not required for Keyboard primary; replace with elective credit)
- MUSI 281 - Harmony, Sight Singing, and Ear Training II
- MUSI 292 - Harmony, Sight Singing, and Ear Training III
- MUSI 351 - Music History I
- MUSI 352 - Music History II
- MUSI 381 - Harmony, Sight Singing, and Ear Training IV
- MUSI 391 - Conducting (Elementary)

#### Music Education Courses: 22 Credits

- EDUC 467 - Methods and Materials in Middle and Secondary School Subjects
- MUSI 155 - Exploration in Music Education
- MUSI 221 - Foundations of Teaching for Music
- MUSI 241 - Class Strings
- MUSI 242 - Class Woodwinds
- MUSI 251 - Class Voice I
- MUSI 331 - Instructional and Classroom Design in Music
- MUSI 341 - Class Brass
- MUSI 342 - Class Percussion
- MUSI 396 - Instrumental Conducting
- MUSI 421 - Instrumental Literature
- MUSI 431 - Orchestration
- MUSI 441 - Methods and Materials (Elementary)

#### Applied Instrumental Courses: 8 Credits

- MUSI 165 - Music Seminar/Recital Hour (students need to enroll in MUSI 165 each semester during their applied music sequence)
- MUSI 499 - Senior Recital

Select appropriate sequence from the following:

(Each course in sequence must be completed two times in the 100-300 levels and only once at the 400 level.)

- MUSI 167 - Applied Brass
- MUSI 267 - Applied Brass
- MUSI 367 - Applied Brass
- MUSI 467 - Applied Brass
- or
- MUSI 169 - Applied Organ
- MUSI 269 - Applied Organ
- MUSI 369 - Applied Organ
- MUSI 469 - Applied Organ
- or
- MUSI 173 - Applied Percussion
- MUSI 273 - Applied Percussion
- MUSI 373 - Applied Percussion
- MUSI 473 - Applied Percussion
- or
- MUSI 171 - Applied Piano
- MUSI 271 - Applied Piano
- MUSI 371 - Applied Piano
- MUSI 471 - Applied Piano
- or
- MUSI 175 - Applied Strings
- MUSI 275 - Applied Strings
- MUSI 375 - Applied Strings
- MUSI 475 - Applied Strings
- or
- MUSI 179 - Applied Woodwinds
- MUSI 279 - Applied Woodwinds
- MUSI 379 - Applied Woodwinds
- MUSI 479 - Applied Woodwinds

Ensemble Requirements: 7 Credits

Major Ensembles

Courses repeated for credit. Select four major ensembles from the following:

- MUSI 110 - Choir
- MUSI 160 - Orchestra
- MUSI 191 - Marching Band

- MUSI 192 - Concert Band

### Chamber Ensembles

Courses repeated for credit. Select three chamber ensembles from the following:

- MUSI 111 - Chamber Ensemble
- MUSI 115 - Percussion Ensemble
- MUSI 120 - Brass Ensemble
- MUSI 125 - Trumpet Choir
- MUSI 130 - Woodwind Ensemble
- MUSI 140 - Jazz Ensemble
- MUSI 150 - Opera Workshops

### Music Electives: 3 Credits

\*If student does not test out of MUSI 100, use those credits in place of Music Electives.

- MUSI 100 - Basic Musicianship (Or three credits selected from the following)
- MUSI 118 - Foundations of Music Tech I
- MUSI 218 - Foundations of Music Technology II
- MUSI 225 - A History of Jazz in American Culture
- MUSI 262 - Diction
- MUSI 285 - World Music Cultures
- MUSI 350 - Band Pedagogy
- MUSI 360 - Trumpet Pedagogy I
- MUSI 370 - Percussion Pedagogy I
- MUSI 430 - Keyboard Literature
- MUSI 440 - Woodwind Literature
- MUSI 460 - Trumpet Pedagogy II
- MUSI 462 - Music Composition
- MUSI 470 - Percussion Pedagogy II
- MUSI 491 - Vocal Literature
- MUSI 492 - Keyboard Pedagogy

### Professional Education Courses: 21 Credits

- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools
- READ 320 - Teaching Reading in the Content Areas

Total Credit Hours: 120

## **Music, Music-Instrumental Studies, B.A.**

## Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** A placement test in music theory and performance is required before enrolling in any courses as a major. Students must complete or test out of MUSI 100 and MUSI 102 and perform a successful audition to be admitted into the General Music degree program.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. In order to graduate, students in this degree program must: 1. Obtain a grade of C or higher in all music courses; 2. Pass the Piano Proficiency Exam; 3. Complete juries each semester of applied lessons; 4. Pass the Sophomore Qualifying Exam (prior to 300 level of applied lessons); 5. Successfully complete a Senior Recital in the semester before graduation and perform a senior recital hearing one month before the scheduled recital date; 6. Earn a grade of P in MUSI 165 for five semesters.

### University College Core Curriculum: 38 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training

- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

#### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System

- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography

- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

- MUSI 260 - African-American Music

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

## Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools

## Program Requirements: 82 Credits

### Music Core Courses: 23 Credits

- MUSI 100 - Basic Musicianship (may test out of; if required, use as elective credit)
- MUSI 152 - Harmony, Sight Singing, and Ear Training I
- MUSI 201 - Piano Skills I
- MUSI 202 - Piano Skills II
- MUSI 281 - Harmony, Sight Singing, and Ear Training II
- MUSI 292 - Harmony, Sight Singing, and Ear Training III
- MUSI 351 - Music History I
- MUSI 352 - Music History II
- MUSI 381 - Harmony, Sight Singing, and Ear Training IV
- MUSI 391 - Conducting (Elementary)

### Music Track Courses: 7 Credits

Choose from the following:

- MUSI 118 - Foundations of Music Tech I
- MUSI 159 - Beginning Jazz Improvisation
- MUSI 218 - Foundations of Music Technology II
- MUSI 225 - A History of Jazz in American Culture
- MUSI 262 - Diction
- MUSI 350 - Band Pedagogy
- MUSI 360 - Trumpet Pedagogy I
- MUSI 370 - Percussion Pedagogy I
- MUSI 394 - Choral Conducting
- MUSI 396 - Instrumental Conducting
- MUSI 420 - Choral Literature
- MUSI 421 - Instrumental Literature
- MUSI 430 - Keyboard Literature
- MUSI 431 - Orchestration
- MUSI 440 - Woodwind Literature
- MUSI 460 - Trumpet Pedagogy II
- MUSI 462 - Music Composition

### Applied Instrumental Courses: 8 Credits



- MUSI 165 - Music Seminar/Recital Hour (students need to enroll in MUSI 165 each semester during their applied music sequence)
- MUSI 499 - Senior Recital

Select appropriate sequence from the following:

(Each course in sequence must be completed two times in the 100-300 levels and only once at the 400 level.)

- MUSI 167 - Applied Brass
- MUSI 267 - Applied Brass
- MUSI 367 - Applied Brass
- MUSI 467 - Applied Brass
- or
- MUSI 173 - Applied Percussion
- MUSI 273 - Applied Percussion
- MUSI 373 - Applied Percussion
- MUSI 473 - Applied Percussion
- or
- MUSI 175 - Applied Strings
- MUSI 275 - Applied Strings
- MUSI 375 - Applied Strings
- MUSI 475 - Applied Strings
- or
- MUSI 179 - Applied Woodwinds
- MUSI 279 - Applied Woodwinds
- MUSI 379 - Applied Woodwinds
- MUSI 479 - Applied Woodwinds

Ensemble Requirements: 8 Credits

### Major Ensembles

Courses repeated for credit. Select four major ensembles from the following:

- MUSI 160 - Orchestra
- MUSI 191 - Marching Band
- MUSI 192 - Concert Band

### Chamber Ensembles

Courses repeated for credit. Select four chamber ensembles from the following:

- MUSI 111 - Chamber Ensemble
- MUSI 115 - Percussion Ensemble
- MUSI 120 - Brass Ensemble
- MUSI 125 - Trumpet Choir
- MUSI 130 - Woodwind Ensemble

- MUSI 140 - Jazz Ensemble

Music Electives: 3 Credits

Other General Education Requirements: 15 Credits

- ART 123 - Basic Digital Design
- BADM 215 - Business Communications
- HUMN 215 - Arts in Performance
- MKTG 311 - Principles of Marketing
- Free elective (non-music, three credits)

Minor (Any Minor): 18 Credits

Total Credit Hours: 120

## **Music, Music-Keyboard Studies, B.A.**

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** A placement test in music theory and performance is required before enrolling in any courses as a major. Students must complete or test out of MUSI 100 and MUSI 102 and perform a successful audition to be admitted into the General Music degree program.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. In order to graduate, students in this degree program must: 1. Obtain a grade of C or higher in all music courses; 2. Pass the Piano Proficiency Exam; 3. Complete juries each semester of applied lessons; 4. Pass the Sophomore Qualifying Exam (prior to 300 level of applied lessons); 5. Successfully complete a Senior Recital in the semester before graduation and perform a senior recital hearing one month before the scheduled recital date; 6. Earn a grade of P in MUSI 165 for five semesters.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate

- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

- MUSI 260 - African-American Music

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II

- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools

### Program Requirements: 82

#### Music Courses: 21 Credits

- MUSI 100 - Basic Musicianship (may test out of; if required, use as elective credit)
- MUSI 152 - Harmony, Sight Singing, and Ear Training I
- MUSI 281 - Harmony, Sight Singing, and Ear Training II
- MUSI 292 - Harmony, Sight Singing, and Ear Training III
- MUSI 351 - Music History I
- MUSI 352 - Music History II
- MUSI 354 - Form and Analysis
- MUSI 381 - Harmony, Sight Singing, and Ear Training IV
- MUSI 391 - Conducting (Elementary)

#### Music Track Courses: 9 Credits

Choose from the following:

- MUSI 118 - Foundations of Music Tech I
- MUSI 159 - Beginning Jazz Improvisation
- MUSI 218 - Foundations of Music Technology II
- MUSI 225 - A History of Jazz in American Culture

- MUSI 262 - Diction
- MUSI 285 - World Music Cultures
- MUSI 350 - Band Pedagogy
- MUSI 360 - Trumpet Pedagogy I
- MUSI 370 - Percussion Pedagogy I
- MUSI 394 - Choral Conducting
- MUSI 396 - Instrumental Conducting
- MUSI 420 - Choral Literature
- MUSI 421 - Instrumental Literature
- MUSI 430 - Keyboard Literature
- MUSI 431 - Orchestration
- MUSI 440 - Woodwind Literature
- MUSI 460 - Trumpet Pedagogy II
- MUSI 462 - Music Composition

#### Applied Keyboard Courses: 8 Credits

- MUSI 165 - Music Seminar/Recital Hour (students need to enroll in MUSI 165 each semester during their applied music sequence)
- MUSI 499 - Senior Recital

Select appropriate sequence from the following:

(Each course in sequence must be completed two times in the 100-300 levels and only once at the 400 level.)

- MUSI 169 - Applied Organ
- MUSI 269 - Applied Organ
- MUSI 369 - Applied Organ
- MUSI 469 - Applied Organ
- or
- MUSI 171 - Applied Piano
- MUSI 271 - Applied Piano
- MUSI 371 - Applied Piano
- MUSI 471 - Applied Piano

#### Ensemble Requirements: 8 Credits

##### Major Ensembles

Courses repeated for credit. Select four major ensembles from the following:

- MUSI 110 - Choir
- MUSI 160 - Orchestra
- MUSI 191 - Marching Band
- MUSI 192 - Concert Band

## Chamber Ensembles

Courses repeated for credit. Select four chamber ensembles from the following:

- MUSI 111 - Chamber Ensemble
- MUSI 115 - Percussion Ensemble
- MUSI 120 - Brass Ensemble
- MUSI 125 - Trumpet Choir
- MUSI 130 - Woodwind Ensemble
- MUSI 140 - Jazz Ensemble
- MUSI 150 - Opera Workshops

Music Electives: 3 Credits

Minor (Any Minor): 18 Credits

Other General Education Requirements: 15 Credits

- ART 123 - Basic Digital Design
- BADM 215 - Business Communications
- HUMN 215 - Arts in Performance
- MKTG 311 - Principles of Marketing
- Free elective (non-music, 3 credits).

Total Credit Hours: 120

## Music, Music-Voice Studies, B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** A placement test in music theory and performance is required before enrolling in any courses as a major. Students must complete or test out of MUSI 100 and MUSI 102 and perform a successful audition to be admitted into the General Music degree program.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. In order to graduate, students in this degree program must: 1. Obtain a grade of C or higher in all music courses; 2. Pass the Piano Proficiency Exam; 3. Complete juries each semester of applied lessons; 4. Pass the Sophomore Qualifying Exam (prior to 300 level of applied lessons); 5. Successfully complete a Senior Recital in the semester before graduation and perform a senior recital hearing one month before the scheduled recital date; 6. Earn a grade of P in MUSI 165 for five semesters.



## University College Core Curriculum: 38 Credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture

- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

- MUSI 260 - African-American Music

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools

### Program Requirements: 82 Credits

#### Music Core Courses: 23 Credits

- MUSI 100 - Basic Musicianship (may test out of; if required, use as elective credit)
- MUSI 152 - Harmony, Sight Singing, and Ear Training I
- MUSI 201 - Piano Skills I
- MUSI 202 - Piano Skills II
- MUSI 281 - Harmony, Sight Singing, and Ear Training II
- MUSI 292 - Harmony, Sight Singing, and Ear Training III
- MUSI 351 - Music History I
- MUSI 352 - Music History II

- MUSI 381 - Harmony, Sight Singing, and Ear Training IV
- MUSI 391 - Conducting (Elementary)

### Music Track Courses: 7 Credits

Choose from the following:

- MUSI 118 - Foundations of Music Tech I
- MUSI 159 - Beginning Jazz Improvisation
- MUSI 218 - Foundations of Music Technology II
- MUSI 225 - A History of Jazz in American Culture
- MUSI 262 - Diction
- MUSI 285 - World Music Cultures
- MUSI 350 - Band Pedagogy
- MUSI 360 - Trumpet Pedagogy I
- MUSI 370 - Percussion Pedagogy I
- MUSI 394 - Choral Conducting
- MUSI 396 - Instrumental Conducting
- MUSI 420 - Choral Literature
- MUSI 421 - Instrumental Literature
- MUSI 430 - Keyboard Literature
- MUSI 431 - Orchestration
- MUSI 440 - Woodwind Literature
- MUSI 460 - Trumpet Pedagogy II
- MUSI 462 - Music Composition

### Applied Voice Courses: 8 Credits

(Each course must be completed two times in the 100-300 levels and only once at the 400 level)

- MUSI 177 - Applied Voice
- MUSI 277 - Applied Voice
- MUSI 377 - Applied Voice
- MUSI 477 - Applied Voice
  
- MUSI 165 - Music Seminar/Recital Hour (students need to enroll in MUSI 165 each semester during their applied music sequence)
- MUSI 499 - Senior Recital

### Ensemble Requirements: 8 Credits

#### Major Ensembles

Courses repeated for credit. Select four major ensembles from the following:

- MUSI 110 - Choir

## Chamber Ensembles

Courses repeated for credit. Select four chamber ensembles from the following:

- MUSI 111 - Chamber Ensemble
- MUSI 150 - Opera Workshops

Music Electives: 3 Credits

Minor (Any Minor): 18 Credits

Other General Education Requirements: 15 Credits

- ART 123 - Basic Digital Design
- BADM 215 - Business Communications
- HUMN 215 - Arts in Performance
- MKTG 311 - Principles of Marketing
- Free elective (non-music, three credits).

Total Credit Hours: 120

## Theatre, B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
  - UNIV 102 - Freshman Seminar II
- or

- UNIV 110 - University Studies  
or
- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II



- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II

- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

## Program Requirements: 82 Credits

### Major Required Courses: 39 Credits

A transfer student only has to complete the number of practicums equal to the number of semesters they have been at FSU. Any remaining required credits need to be fulfilled with theatre electives.

Any course not taken as a requirement may serve as a theatre elective.

- THEA 141 - Production Practicum I (to be taken freshman year)
- THEA 241 - Production Practicum III (to be taken sophomore year)
- THEA 341 - Production Practicum V (to be taken junior year)
- THEA 206 - Acting I
- THEA 218 - Introduction to Makeup
- THEA 230 - Script Analysis
- THEA 237 - Scene Technology
- THEA 302 - History of Theatre I
- THEA 303 - History of Theatre II
- THEA 305 - Principles of Design
- THEA 320 - Playwriting for Stage and Screen
- THEA 333 - Play Directing
- THEA 450 - Senior Seminar

### Major Electives or Concentration: 15 Credits

Choose from major electives or complete a concentration.

(Any course taken as a requirement may not be doubled for the Theatre elective)

### Major Electives

Select at least five of the following:

- COMM 211 - Phonetics
- COMM 212 - Voice and Diction
- ENGL 411 - Shakespeare
- THEA 217 - Introduction to Costuming
- THEA 236 - Stagecraft
- THEA 238 - Stage Movement
- THEA 242 - Contemporary World Drama
- THEA 260 - Performance Laboratory
- THEA 310 - Acting for the Media
- THEA 311 - Oral Interpretation
- THEA 315 - Acting II
- THEA 347 - Lighting Design and Technology
- THEA 349 - Devised Theatre
- THEA 350 - Shakespeare Studio

- THEA 402 - Acting III
- THEA 403 - Stage Design
- THEA 404 - CAD (Computer Aided Drafting) for the Stage
- THEA 411 - Children's Theatre for School and Community
- THEA 413 - Drama Theory and Criticism I
- THEA 414 - Drama Theory Criticism II
- THEA 415 - Theatre Management
- THEA 420 - African American Theatre
- THEA 421 - Play Production
- THEA 430 - Theatre Internship
- THEA 495 - Special Topics in Theatre

### Costume and Cosplay Concentration

- ART 121 - Basic Drawing
  - ART 372 - Mold Making and Casting Processes
  - ART 450 - Studio Problems
  - THEA 218 - Introduction to Makeup
- And one of the following:
- ART 231 - Introduction to Sculpture
  - THEA 217 - Introduction to Costuming

### Education Concentration

- EDUC 211 - Laboratory Experiences in Area Schools
- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 331 - Instructional Design and Assessment of Learning
- SPED 320 - Education of the Exceptional Child

### Media Performance Concentration

- COMM 211 - Phonetics
- COMM 355 - Multi Camera Studio Production
- COMM 445 - Documentary and Short Film Production
- THEA 310 - Acting for the Media
- THEA 311 - Oral Interpretation

### Media Production Concentration

Five courses (15 hours) from the following:

- COMM 245 - Introduction to Audio Production
- COMM 255 - Introduction to Video Production
- COMM 270 - Lighting for TV and Film
- COMM 295 - Digital Editing for Audio and Video Production

- COMM 333 - History of Horror in Media
- THEA 347 - Lighting Design and Technology
- THEA 404 - CAD (Computer Aided Drafting) for the Stage

Electives: 22 Credits

See appropriate catalog section for requirements of minor. If minor is chosen, 18-21 hours might be needed. Theatre majors may choose a minor from any program other than Theatre.

Foreign Language Courses: 6 Credits

Any two foreign language courses.

Total Credit Hours: 120

## Visual Arts, Art Education Concentration, B.A. (Licensure K-12)

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** A portfolio review is required for admission to the program. An overall GPA of 2.7 is required for admission to all Educator Preparation Program degree and licensure programs. If a student does not meet the requirements, s/he may apply for a pre-education major status at the end of the freshman year. The pre-major status provides an opportunity for the pre-education student to work towards achieving the requirements to declare the major (and ultimately be admitted to teacher education) and allows the student to determine whether or not a degree in teacher education is an appropriate fit for his/her career goals.

**Admission as a pre-major does not guarantee admission to the major.**

**Other Major Requirements:** Grade of C or higher in all major and concentration studio art classes. All artwork for the senior thesis exhibit, ART 400, must be approved by the art faculty and ART 400 instructor.

Art Education students need to be aware of the requirements for Admission to the Educator Preparation Program in the College of Education (\*See Art Education Mentor for guidance):

- Completion of EDUC 211 with a grade of C or better (if applicable to program)
- Completion of a minimum of 38 credit hours earned with a minimum grade point average of 2.7 (3.0 preferred)
- Completion of a Declaration of Major form (scroll down to the appropriate degree)
- Completion of the Praxis CASE tests (or SAT/ACT scores) required by the State of North Carolina for the admission to educator preparation programs.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. An overall GPA of 2.7 is required to graduate from all Educator Preparation Program degree and licensure programs.

## University College Core Curriculum: 38 Credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory

- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits



Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II

- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- EDUC 211 - Laboratory Experiences in Area Schools

### Program Requirements: 82 Credits

#### Art Courses: 43 Credits

- ART 110 - 2D Design
- ART 121 - Basic Drawing
- ART 123 - Basic Digital Design
- ART 212 - Introduction to Painting
- ART 223 - Figure Drawing I
- ART 230 - Introduction to Ceramics: Hand Building  
or
- ART 260 - Introduction to Ceramics: Wheel Throwing
- ART 231 - Introduction to Sculpture
- ART 253 - Introduction to Printmaking
- ART 321 - Ancient to Medieval Art
- ART 322 - Renaissance to Modern Art
- ART 363 - Contemporary Art
- ART 400 - Art Thesis
- ART 410 - Art Criticism

Choose two of the following:

- ART 213 - Introduction to Art Education (required by all Art Education majors)
- ART 214 - Art Education and Cultural Awareness (required by all Art Education majors)
- ART 215 - Survey of Global Art
- ART 340 - Woman, Culture, and Imaging
- ART 361 - African Art
- ART 362 - African-American Art from 1800
- ART 365 - History of Photography

#### Advanced Studio: 6 Credits

Two advanced studio classes (must be same discipline).

### Professional Studies: 24 Credits

- EDUC 310 - Foundations of Education
- EDUC 330 - Educational Psychology and Human Development
- EDUC 490 - Professional Education Seminar
- EDUC 497 - Clinical Experience in the Middle and Secondary Schools
- READ 320 - Teaching Reading in the Content Areas
- SPED 320 - Education of the Exceptional Child

### Content Pedagogy: 9 Credits

- ART 383 - Art Education Methods and Materials, K-5
- ART 384 - Art Education Methods and Materials, 6-12
- ART 416 - Instructional Design and Assessment of Learning

Total Credit Hours: 120

## Visual Arts, Digital Art Concentration, B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** A portfolio review is required to admission to the program.

**Other Major Requirements:** Grade of C or higher in all major and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
  - UNIV 102 - Freshman Seminar II
- or

- UNIV 110 - University Studies  
or
- UNIV 111 - University Studies for Student Success  
or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking  
or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I

- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II

- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 82 Credits

Art Courses: 43 Credits

- ART 110 - 2D Design
- ART 121 - Basic Drawing
- ART 123 - Basic Digital Design
- ART 212 - Introduction to Painting
- ART 223 - Figure Drawing I
- ART 230 - Introduction to Ceramics: Hand Building  
or
- ART 260 - Introduction to Ceramics: Wheel Throwing
- ART 231 - Introduction to Sculpture
- ART 253 - Introduction to Printmaking
- ART 321 - Ancient to Medieval Art
- ART 322 - Renaissance to Modern Art
- ART 363 - Contemporary Art
- ART 400 - Art Thesis
- ART 410 - Art Criticism

Choose two of the following:

- ART 213 - Introduction to Art Education
- ART 214 - Art Education and Cultural Awareness
- ART 215 - Survey of Global Art



- ART 340 - Woman, Culture, and Imaging
- ART 361 - African Art
- ART 362 - African-American Art from 1800
- ART 365 - History of Photography

### Digital Art Courses: 21 Credits

- ART 226 - Typography  
or
- ART 185 - Introduction to 3D Animation Basics
  
- ART 250 - Digital Photography  
or
- ART 285 - Game Design II: Character and Environment Animation
  
- ART 351 - Commercial Photography  
or
- ART 385 - Game Design III: Game Mechanics
  
- ART 330 - Computer Imaging in Visual art
- ART 352 - Commercial Art
- ART 391 - Computer Graphics in Fine Arts

Choose one of the following:

- ART 461 - Advanced Photography
- ART 481 - Computer Design Multimedia

Electives: 18 Credits

Total Credit Hours: 120

## Visual Arts, Studio Art Concentration, B.A.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** A portfolio review is required to admission to the program.

**Other Major Requirements:** Grade of C or higher in all major and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 38 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II

- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II

- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 82 Credits

#### Art Courses: 43 Credits

- ART 110 - 2D Design
- ART 121 - Basic Drawing
- ART 123 - Basic Digital Design
- ART 212 - Introduction to Painting
- ART 223 - Figure Drawing I
- ART 230 - Introduction to Ceramics: Hand Building
- or
- ART 260 - Introduction to Ceramics: Wheel Throwing
- ART 231 - Introduction to Sculpture

- ART 253 - Introduction to Printmaking
- ART 321 - Ancient to Medieval Art
- ART 322 - Renaissance to Modern Art
- ART 363 - Contemporary Art
- ART 400 - Art Thesis
- ART 410 - Art Criticism

Choose two of the following:

- ART 213 - Introduction to Art Education
- ART 214 - Art Education and Cultural Awareness
- ART 215 - Survey of Global Art
- ART 340 - Woman, Culture, and Imaging
- ART 361 - African Art
- ART 362 - African-American Art from 1800
- ART 365 - History of Photography

Studio Art Courses: 21 Credits

- ART 450 - Studio Problems

Choose one of the following:

- ART 222 - Advanced Drawing
- ART 250 - Digital Photography
- ART 366 - Introduction to Metals
- ART 360 - Advanced Ceramics II

Choose one of the following:

- ART 330 - Computer Imaging in Visual art
- ART 331 - Color Theory and Techniques
- ART 371 - Clay Modeling I
- ART 372 - Mold Making and Casting Processes

Choose one of the following:

- ART 312 - Drawing and Painting
- ART 354 - Advanced Printmaking
- ART 473 - Advanced Metals
- ART 375 - Installation Art: Ceramics and Mixed Media

Choose one of the following:

- ART 355 - Multi-Media Print

- ART 367 - Subtractive Sculpture
- ART 412 - Advanced Painting
- ART 452 - Ceramics IV: Clay and Glaze Chemistry

Choose one of the following:

- ART 413 - Direct Study in Advanced Painting III
- ART 433 - Directed Study in Advanced Printmaking III
- ART 453 - Ceramics V: Directive Study

Choose one of the following:

- ART 368 - Introduction to Woodworking
- ART 414 - Directed Study in Advanced Painting IV
- ART 434 - Directed Study in Advanced Printmaking IV

Electives: 18 Credits

Total Credit Hours: 120

## **Visual Arts: Digital Art: Game Design and Development, B.A.**

### **Program Requirements**

Core Requirements: Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

Program Admission Requirements: A portfolio review is required to admission to the program.

Other Major Requirements: Grade of C or higher in all major and concentration studio art classes. Transfer students must complete at least six hours in their area of concentration at FSU.

Graduation Requirements: All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 38 Credits

### **Transitional Studies - University Studies**

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:



- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3-4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7-8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab

- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections

- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- GLBL 200 - Global Literacy Experience I
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 82 Credits

Art Courses: 43 Credits

- ART 110 - 2D Design
- ART 121 - Basic Drawing
- ART 123 - Basic Digital Design
- ART 212 - Introduction to Painting
- ART 223 - Figure Drawing I
- ART 230 - Introduction to Ceramics: Hand Building  
or
- ART 260 - Introduction to Ceramics: Wheel Throwing
- ART 231 - Introduction to Sculpture
- ART 253 - Introduction to Printmaking
- ART 321 - Ancient to Medieval Art
- ART 322 - Renaissance to Modern Art
- ART 363 - Contemporary Art
- ART 400 - Art Thesis
- ART 410 - Art Criticism

Choose two of the following:

- ART 213 - Introduction to Art Education
- ART 214 - Art Education and Cultural Awareness

- ART 215 - Survey of Global Art
- ART 340 - Woman, Culture, and Imaging
- ART 361 - African Art
- ART 362 - African-American Art from 1800
- ART 365 - History of Photography

#### Digital Art Courses: 21 Credits

- ART 185 - Introduction to 3D Animation Basics
- ART 270 - Sequential Art I
- ART 285 - Game Design II: Character and Environment Animation
- ART 330 - Computer Imaging in Visual art
- or
- ART 370 - Sequential Art II
- ART 385 - Game Design III: Game Mechanics
- ART 391 - Computer Graphics in Fine Arts

Electives: 17 Credits

Total Credit Hours: 120

## Minor

### Costume and Cosplay Minor

Minor Requirements

Total Credit Hours: 18

- ART 121 - Basic Drawing
- ART 231 - Introduction to Sculpture
- ART 372 - Mold Making and Casting Processes
- ART 450 - Studio Problems
- THEA 217 - Introduction to Costuming
- THEA 218 - Introduction to Makeup

## Dance Minor

Minor Requirements

Grade of C or higher in all minor requirements.

- DANC 203 - Fundamentals of Dance
- or

- DANC 210 - Intermediate Contemporary Dance
- DANC 255 - Dance History
- DANC 315 - Modern Dance: Explorations in Techniques and Theories
- THEA 238 - Stage Movement

Select two from the following restricted electives:

- DANC 320 - Cultural Dance for Contemporary Applications: Cultural Dance for Contemporary Applications
- DANC 455 - Composition and Repertory
- THEA 206 - Acting I
- THEA 402 - Acting III
- THEA 421 - Play Production

Total Credit Hours: 18

## **Digital Art Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- ART 110 - 2D Design
- ART 123 - Basic Digital Design
- ART 250 - Digital Photography
- ART 330 - Computer Imaging in Visual art
- ART 351 - Commercial Photography
- ART 352 - Commercial Art
- ART 481 - Computer Design Multimedia

Total Credit Hours: 18

## **Graphic Design Minor**

### Minor Requirements

Grade of C or higher in all courses.

- ART 110 - 2D Design
- ART 121 - Basic Drawing
- ART 123 - Basic Digital Design
- ART 226 - Typography
- ART 330 - Computer Imaging in Visual art
- ART 352 - Commercial Art

Total Credit Hours: 18

## **Music Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

\*See ensemble performance options and applied music sequences from major program.

- MUSI 152 - Harmony, Sight Singing, and Ear Training I
- MUSI 210 - Music Appreciation
- MUSI 281 - Harmony, Sight Singing, and Ear Training II
- Six credits of MUSI electives
- Four credits of Ensemble \*
- Four credits of applied music.\*

Total Credit Hours: 23

## **Theatre Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- Any THEA courses totaling 18 hours
- THEA 140 - Theatre Seminar/ Production Practicum for Non-Majors (may be taken a total of two times)

Total Credit Hours: 19

## **Visual Arts Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- ART 110 - 2D Design
- ART 121 - Basic Drawing
- ART 123 - Basic Digital Design
- ART 231 - Introduction to Sculpture
- ART 322 - Renaissance to Modern Art

One course selected from the following:

- ART 212 - Introduction to Painting



- ART 230 - Introduction to Ceramics: Hand Building
- ART 253 - Introduction to Printmaking
- ART 311 - Arts and Crafts
- ART 440 - Basic Photography

Total Credit Hours: 18

# Department of Psychology

The Department of Psychology offers an undergraduate degree in Psychology that has been designed to provide students with a liberal arts and scientific education that emphasizes the biological, individual, social, and cultural aspects of behavior and mental processes. The bachelor's degree prepares students for graduate and professional studies, as well as careers in various employment settings.

To achieve the program's objectives, students are required to complete the University College Core Curriculum and at least 59 credit hours of course work in Psychology. In addition to the major courses, students are required to complete 23 credit hours through a combination of a minor and a set of free elective courses, or a set of free electives only. Students can also choose to complete the Bachelor of Science in Psychology degree with a concentration in Health Psychology or Work and Organizational Psychology by completing the required psychology courses in each concentration in lieu of 12 credit hours of psychology electives. The department also offers an 18 credit hour minor in psychology to students enrolled in other undergraduate degree programs at Fayetteville State University.

## Online Degree Completion

The department also offers an online degree completion (ODC) program; a student must first complete all University College Core requirements in order to qualify for the ODC program. Transfer students are eligible to be in the ODC program if their transfer credits fulfill FSU's University Core requirements.

Please see the Department of Psychology website for more information about our programs and career options.

## Learning Outcomes

- **Scientific Literacy Skills (Empirical and Applied):** Students will demonstrate an understanding of the fundamental content, concepts, theory, empirical findings, and historical trends in psychology and identify applications of scientific principles to promote psychological well-being.
- **Inquiry Skills:** Students will formulate scientific and logical questions and hypotheses, retrieve relevant academic information and data, explore evidence, and evaluate or conduct research; interpret and report the results of observation and experimentation; they will demonstrate knowledge of empirical approaches used in psychology and/or analyze and evaluate research findings in psychology.
- **Communication Skills (Written and Spoken):** Students will demonstrate the ability to effectively express, produce, comprehend, and analyze spoken and written communication related to content, terminology, empirical findings, and theory in psychology and will be able to demonstrate proficiency in APA format writing.
- **Global Literacy Skills (Diversity and Culture):** Students will recognize, and respect the complex influence, global diversity, and shared humanity of culture, values and belief systems, gender, ethnicity, and resource disparities and differences.
- **Reasoning Skills:** Students will expand their critical, creative thinking, and abstract reasoning skills as they demonstrate the ability to accurately construct, communicate, and evaluate logic and evidence-based assertions, draw conclusions, tolerate ambiguity, employ skepticism, and solve problems related to psychology.

- Ethics and Civic Engagement (Ethics, Community Involvement, and Self-Discipline): Students will identify, reflect upon, and/or apply APA ethical standards; express commitment and effort to address community or social problems; promote psychological well-being; and employ self-discipline.

## Major

### Psychology, B.S.

## Program Requirements

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** To declare a major in Psychology, students must have a minimum overall GPA of 2.0 and must complete PSYC 210 with a minimum grade of "C." All University College Core Curriculum courses must be fully completed before acceptance to the online degree completion program. Transfer students are eligible for acceptance to the online degree completion program if their transfer credits fulfill FSU's University College Core Curriculum requirements.

**Other Major Requirements:** A final grade of "C" or higher must be earned in each course used to fulfill requirements for a minor, electives, or a concentration. At least 50% of the major courses (a minimum of nine Psychology courses) must be completed at Fayetteville State University (on campus, online, at Fort Bragg, or through any other FSU distance learning program). A free elective is any course offered or accepted by the university that has not already been used to fulfill other requirements. Elective selection should be based on the student's academic interests and eventual graduate school and/ or career goals.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. A minimum final grade of "C" or higher in all Psychology program courses is required for graduation. A minimum overall GPA of 2.0 is required for graduation. A minimum of 120 credit hours are necessary for graduation. Even if a course requirement is waived, the credit hour requirement remains.

University College Core Curriculum: 38 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies

or

- UNIV 111 - University Studies for Student Success

or

- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

## Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab

- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance

- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 82 Credits

Psychology Courses: 41 Credits

- PSYC 210 - General Psychology
- PSYC 233 - Statistics for Psychology
- PSYC 302 - Professional and Career Development in Psychology
- PSYC 305 - Writing for Psychology
- PSYC 320 - Theories of Learning
- PSYC 331 - Developmental Psychology
- PSYC 343 - Multicultural Psychology
- PSYC 352 - Research Methodology
- PSYC 360 - Social Psychology
- PSYC 370 - Introduction to Biopsychology
- PSYC 400 - History and Systems of Psychology
- PSYC 422 - Abnormal Psychology
- PSYC 460 - Senior Seminar

Major Electives: 18 Credits

Select six courses from the following:

- PSYC 300 - Stress Management and Wellness
- PSYC 310 - Theories of Personality
- PSYC 332 - Psychology of Adult Development



- PSYC 342 - Introduction to Clinical and Counseling Psychology
- PSYC 345 - Positive Psychology
- PSYC 350 - Industrial and Organizational Psychology
- PSYC 365 - Health Psychology
- PSYC 380 - Behavior Modification
- PSYC 381 - Child and Adolescent Mental Health
- PSYC 390 - Psych Tests and Measurements
- PSYC 403 - Psychopharmacology
- PSYC 420 - Sensation and Perception
- PSYC 421 - Cognitive Psychology
- PSYC 430 - Advanced Seminar: Sex and Gender
- PSYC 433 - Psychology of Language
- PSYC 452 - Advanced Applied Research
- PSYC 455 - Psychology Internship
- Any other psychology course offered or accepted by Fayetteville State University that has not been used to fulfill any other requirement.

#### Minor or Electives: 18 Credits

Declare and complete a minor and/ or select any other course(s) offered or accepted by Fayetteville State University that have not been used to fulfill any other requirement.

#### Free Electives: 5 Credits

A free elective can be any course offered or accepted by Fayetteville State University that has not been used to fulfill any other requirement.

Total Credit Hours: 120

## Psychology, Health Psychology Concentration, B.S.

### Program Requirements

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students.

**Program Admission Requirements:** To declare a major in Psychology, students must have a minimum overall GPA of 2.0 and must complete PSYC 210 with a minimum grade of "C." All University College Core Curriculum courses must be met before acceptance to the online degree completion (ODC) program. Transfer students are eligible for acceptance to the ODC program if their transfer credits fulfill FSU's University Core requirements.

**Other Major Requirements:** A final grade of "C" or higher must be earned in each course used to fulfill requirements for a minor, electives, or a concentration. At least 50% of the major courses (a minimum of nine Psychology courses) must be completed at Fayetteville State University (on campus, online, at Fort Bragg, or through any other FSU distance learning program). A free elective is any course offered or accepted by the university that has not already been used to fulfill other requirements. Elective selection should be based on the student's academic interests and eventual graduate school and/ or career goals.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. A minimum final grade of "C" or higher in all Psychology program courses is required for graduation. A minimum overall GPA of 2.0 is required for graduation. A minimum of 120 credit hours are necessary for graduation. Even if a course requirement is waived, the credit hour requirement remains.

## University College Core Curriculum: 38 Credits

### Transitional Studies - University Studies

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

## Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

## Information Literacy: 3 Credits

- ENGL 120 - English Composition II

## Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3-4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

## Scientific Literacy - Natural Sciences: 7-8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory

- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

## Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- GLOBL 200 - Global Literacy Experience I
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs

- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

### Program Requirements: 82 Credits

A minimum earned grade of C is required for each psychology program course.

### Psychology Courses: 41 Credits

- PSYC 210 - General Psychology
- PSYC 233 - Statistics for Psychology
- PSYC 302 - Professional and Career Development in Psychology

- PSYC 305 - Writing for Psychology
- PSYC 320 - Theories of Learning
- PSYC 331 - Developmental Psychology
- PSYC 343 - Multicultural Psychology
- PSYC 352 - Research Methodology
- PSYC 360 - Social Psychology
- PSYC 370 - Introduction to Biopsychology
- PSYC 400 - History and Systems of Psychology
- PSYC 422 - Abnormal Psychology
- PSYC 460 - Senior Seminar

### Health Psychology Concentration Requirements: 12 Credits

- PSYC 300 - Stress Management and Wellness
- PSYC 345 - Positive Psychology
- PSYC 365 - Health Psychology
- PSYC 380 - Behavior Modification

### Major Electives: 6 Credits

Select two courses from the following:

- PSYC 310 - Theories of Personality
- PSYC 332 - Psychology of Adult Development
- PSYC 342 - Introduction to Clinical and Counseling Psychology
- PSYC 350 - Industrial and Organizational Psychology
- PSYC 381 - Child and Adolescent Mental Health
- PSYC 390 - Psych Tests and Measurements
- PSYC 403 - Psychopharmacology
- PSYC 420 - Sensation and Perception
- PSYC 421 - Cognitive Psychology
- PSYC 430 - Advanced Seminar: Sex and Gender
- PSYC 433 - Psychology of Language
- PSYC 452 - Advanced Applied Research
- PSYC 455 - Psychology Internship
- Any other psychology course offered or accepted by Fayetteville State University that has not been used to fulfill any other requirement.

### Minor/ Free Electives: 18 Credits

Declare and complete a minor and/ or select any other course(s) offered or accepted by Fayetteville State University that has not been used to fulfill any other requirement.

### Free Electives: 5 Credits

A free elective can be any course offered or accepted by Fayetteville State University that has not been used to fulfill any other requirement.

Total Credit Hours: 120

## **Psychology, Work and Organizational Psychology Concentration, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students.

**Program Admission Requirements:** To declare a major in Psychology, students must have a minimum overall GPA of 2.0 and must complete PSYC 210 with a minimum grade of "C." All University College Core Curriculum courses must be completed before acceptance to the online degree completion (ODC) program. Transfer students are eligible for acceptance to the ODC program if their transfer credits fulfill FSU's University Core requirements.

**Other Major Requirements:** A final grade of "C" or higher must be earned in each course used to fulfill requirements for a minor, electives, or a concentration. At least 50% of the major courses (a minimum of nine Psychology courses) must be completed at Fayetteville State University (on campus, online, at Fort Bragg, or through any other FSU distance learning program). A free elective is any course offered or accepted by the university that has not already been used to fulfill other requirements. Elective selection should be based on the student's academic interests and eventual graduate school and/ or career goals.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. A minimum final grade of "C" or higher in all Psychology program courses is required for graduation. A minimum overall GPA of 2.0 is required for graduation. A minimum of 120 credit hours are necessary for graduation. Even if a course requirement is waived, the credit hour requirement remains.

University College Core Curriculum: 38 Credits

### **Transitional Studies - University Studies**

UNIV 101-102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students



## Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

## Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

## Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

## Information Literacy: 3 Credits

- ENGL 120 - English Composition II

## Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

## Reasoning Skills - Quantitative Reasoning: 3-4 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 7-8 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II

- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- GLBL 200 - Global Literacy Experience I
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action

- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 82 Credits

Psychology Courses: 41 Credits

- PSYC 210 - General Psychology
- PSYC 233 - Statistics for Psychology
- PSYC 302 - Professional and Career Development in Psychology
- PSYC 305 - Writing for Psychology
- PSYC 320 - Theories of Learning
- PSYC 331 - Developmental Psychology
- PSYC 343 - Multicultural Psychology
- PSYC 352 - Research Methodology
- PSYC 360 - Social Psychology
- PSYC 370 - Introduction to Biopsychology
- PSYC 400 - History and Systems of Psychology
- PSYC 422 - Abnormal Psychology
- PSYC 460 - Senior Seminar

Work and Organizational Psychology Concentration Requirements: 12 Credits

- PSYC 350 - Industrial and Organizational Psychology
- PSYC 390 - Psych Tests and Measurements
- MGMT 415 - HR Staffing and Development
- MGMT 420 - Organizational Behavior

Major Electives: 6 Credits

Select two courses from the following:

- PSYC 300 - Stress Management and Wellness
- PSYC 310 - Theories of Personality
- PSYC 332 - Psychology of Adult Development
- PSYC 342 - Introduction to Clinical and Counseling Psychology
- PSYC 345 - Positive Psychology

- PSYC 365 - Health Psychology
- PSYC 380 - Behavior Modification
- PSYC 381 - Child and Adolescent Mental Health
- PSYC 403 - Psychopharmacology
- PSYC 420 - Sensation and Perception
- PSYC 421 - Cognitive Psychology
- PSYC 430 - Advanced Seminar: Sex and Gender
- PSYC 433 - Psychology of Language
- PSYC 452 - Advanced Applied Research
- PSYC 455 - Psychology Internship
- Any other psychology course offered or accepted by Fayetteville State University that has not been used to fulfill any other requirement.

Minor/ Free Electives: 18 Credits

Declare and complete a minor and/ or select any other course(s) offered or accepted by Fayetteville State University that has not been used to fulfill any other requirement.

Free Electives: 5 Credits

A free elective can be any course offered or accepted by Fayetteville State University that has not been used to fulfill any other requirement.

Total Credit Hours: 120

## **Minor**

### **Psychology Minor**

#### Minor Requirements

Grade of C or higher in all minor requirements.

- PSYC 210 - General Psychology
- PSYC 310 - Theories of Personality
- PSYC 320 - Theories of Learning
- PSYC 360 - Social Psychology
- Six credits of PSYC electives.

Total Credit Hours: 18

# School of Social Work

The School of Social Work offers the undergraduate degree in social work (Bachelor of Social Work Degree) that prepares students for beginning generalist practice as a social worker, and eligibility for admission as an advanced standing student in a Master of Social Work Program upon graduation. Besides the major, the School of Social Work also offers a minor in social work which consists of 18 credit hours. The Bachelor of Social Work Program seeks to provide the knowledge, skills, and values needed to practice beginning generalist social work with individuals, families, groups, organizations, and communities; to prepare students for practice within a rural context and military setting; to enable students to engage in practice according to the NASW Code of Ethics; to provide the framework needed for students to identify and utilize evidence based practice for intervention; to instill in students the importance of engaging in practices that alleviate oppression, poverty, social and economic injustice, and discrimination; to graduate students who will understand the impact of diversity and difference on human behavior; to prepare students for leadership in the professional community; and to graduate students who will understand the dynamics of practice in a multicultural society and global community.

## Learning Outcomes

Students will demonstrate ethical and professional behavior.

Students will engage diversity and difference in practice.

Students will advance human rights and social, economic, and environmental justice.

Students will engage in practice-informed research and research-informed practice.

Students will engage in policy practice.

Students will engage with individuals, families, groups, organizations, and communities.

Students will assess individuals, families, groups, organizations, and communities.

Students will intervene with individuals, families, groups, organizations, and communities.

Students will evaluate practice with individuals, families, groups, organizations, and communities.

## Major

### Social Work, B.S.W

## Admission Requirements for the Bachelor of Social Work

- Completion of the Bachelor of Social Work Application
- Approval by the BSW Program Director.

- A minimum overall GPA of 2.5 for admission.
- An overall GPA of 2.5 must be maintained throughout the program.
- A 2.75 GPA in all Social Work classes taken.
- A minimum final grade of "C" or higher in all courses is required for graduation.
- A final grade of "C" or higher must be earned in each course used to fulfill requirements for a minor or electives.
- A minimum of 120 credit hours are necessary for graduation. Even if a course requirement is waived, the credit hour requirement remains.
- A free elective is any course offered or accepted by the university that has not already been used to fulfill other requirements. Elective selection should be based on the student's academic interest and eventual graduate school and/or career goals.

## Program Requirements

**Core Requirements:** Minimum of 39 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Admission Requirements:** See Admission Requirements for the Bachelor of Social Work above.

**Other Major Requirements:** Students must receive a C or higher in all courses.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

University College Core Curriculum: 39 Credits

Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

Transitional Studies - Life Skills: 2 Credits



Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

- SPEE 200 - Introduction to Speech

#### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

#### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- or
- PHIL 220 - Introduction to Logic

#### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

### Scientific Literacy - Natural Sciences: 8 Credits

At least one natural science class must include a lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select one biology from the following:

- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab

Select one physical science from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II

### Scientific Literacy - Social Sciences: 3 Credits

- SOCI 210 - Principles of Sociology

## Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

## Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

- Select one foreign language course (preferably SPAN 110)

## Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865

- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

Program Requirements: 81 Credits

Support Courses for the Major: 21 Credits

Select one course from each group listed below for a total of 21 credit hours

Select one from the following:

- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics

Select one from the following:

- HIST 210 - African-American History
- HIST 100 - Social Institutions
- HIST 322 - Ethnic Minorities in American Urban History

Select one from the following:

- HIST 211 - The United States to 1865
- HIST 212 - The United States since 1865
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600

Select one from the following:

- MATH 120 - Finite Mathematics
- MATH 121 - Introduction to College Algebra
- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- STAT 202 - Basic Probability and Statistics

Select one from the following:

- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- POLI 230 - Ethics and Global Affairs
- POLI 332 - The Legislative Process

- POLI 442 - Public Policy Analysis

Select the following:

- PSYC 210 - General Psychology
- Select one foreign language course (preferably SPAN 120 for a total of six credit hours in one foreign language)

### Social Work Courses: 54 Credits

- SWRK 230 - Introduction to Social Work
- SWRK 310 - Statistics for Social Workers
- SWRK 320 - Social Work Research Methods: Practice Oriented
- SWRK 330 - Human Behavior in the Social Work Environment I
- SWRK 335 - Human Behavior in the Social Work Environment II: Young Adulthood to Old Age
- SWRK 340 - Social Welfare Policy I: Social Welfare History
- SWRK 350 - Social Welfare Policy II: Policy Analysis and Evaluation
- SWRK 360 - Generalist Social Work Practice I
- SWRK 365 - Intervention and Communication Skills
- SWRK 370 - Generalist Social Work Practice II
- SWRK 375 - Social Work Practice with Military Families
- SWRK 410 - Generalist Social Work Practice III
- SWRK 435 - Senior Seminar
- SWRK 445 - Cultural Diversity
- SWRK 465 - Block Field Practicum
- SWRK 475 - Integrative Seminar

### Social Work Major Electives: 6 Credits

- SWRK 220 - Introduction to Human Services
- SWRK 380 - Health and Social Work
- SWRK 415 - School Social Work
- SWRK 420 - Substance Abuse and Social Work Practice
- SWRK 425 - Social Work with Families
- SWRK 440 - Social Work with People of Color
- SWRK 470 - Aging and Social Work
- SWRK 480 - Child Welfare Services
- SWRK 490 - Special Topics in Social Work

Total Credit Hours: 120

## **Minor**

### **Social Work Minor**

## Minor Requirements

Grade of C or higher in all minor requirements.

- SWRK 230 - Introduction to Social Work
- SWRK 330 - Human Behavior in the Social Work Environment I
- SWRK 340 - Social Welfare Policy I: Social Welfare History
- 9 credit hours of social work electives

Total Credit Hours: 18

# Department of Sociology and Interdisciplinary Studies

The Department of Sociology and Interdisciplinary Studies contributes to the intellectual, social, and career development of citizens in southeastern North Carolina and beyond. The department is committed to educating students about the realities of human social interaction and offers students sociological tools to address current issues and problems encountered in social institutions and organizational settings. In addition, there are many opportunities for students to develop strong skills in understanding social issues from a global perspective. The department serves the needs of both traditional and nontraditional students by offering undergraduate and graduate programs, including minors and a graduate certificate program that enhance students' intellectual growth and opportunities for career advancement.

The Bachelor of Arts degree program in Sociology is committed to training students through distance-learning programs and face-to-face methods. Students have the option of pursuing advanced study in sociology through our Master of Arts degree program and certificate programs. The department employs numerous strategies to enhance student engagement and students benefit from faculty members' commitment to excellence in teaching, mentoring/advising, research, and service.

The department offers an undergraduate degree in sociology with the objectives of preparing students for further study at the graduate and professional levels and/or entry-level careers in business, human services, health services, education, law enforcement, government, and the private sector. To achieve its objectives, the department requires students to complete the University College Core Curriculum and thirty-six (36) or more credit hours in sociology.

Students in other undergraduate majors may elect to minor in Sociology or Africana Studies in order to broaden their academic background and/or achieve their career goals. The department offers courses that will satisfy the Scientific Literacy in Social Sciences (SOCI 210) and Global Literacy (ANTH 210 and SOCI 150) requirements of the University College Core Curriculum.

The Bachelor of Science in Interdisciplinary Studies is an interdisciplinary degree program that enables students to develop twenty-first century skills, such as critical thinking, communication, knowledge of global cultures, and related skills and knowledge that will prepare them for leadership roles and professional success in the global economy. At the same time, the program provides students the opportunity to develop an individualized program of specialized knowledge and skills consistent with their personal interests, professional goals, and previous experience. This degree can be completed online.

## Program Goals and Outcomes

The BA in Sociology program enables students to acquire knowledge of sociological concepts and theories that assist them with the evaluation of social issues. Additionally, students master skills that foster competency in social research methods and statistical procedures.

## Learning Outcomes

### B.A. Sociology

Graduates are expected to demonstrate the following learning outcomes or competencies:

- Students will demonstrate a comprehensive understanding of the main subfields of sociology through proficient performance in statistics, research methods, theory, demography, deviant behavior, social institutions, social inequality/ social processes, and anthropology.
- Students will demonstrate knowledge of theories and their application to various social issues.
- Students will implement important components (statement of the problem, literature review, methods, references, citations) of the research process by designing a research project proposal.
- Students will be able to apply social statistical strategies to social issues.

### **B.S. Interdisciplinary Studies**

- Present original written and spoken communications that display the organization, clarity, documentation, and persuasiveness that are essential for effective leadership in multiple professional settings.
- Construct reasonable and effective arguments using various forms of evidence drawn from multiple sources to address practical problems and issues that arise in multiple professional settings.
- Interpret, assess, and apply effectively statistical concepts and data in addressing practical problems and issues that arise in multiple professional settings.
- Deepen their appreciation of the diversity of cultures, belief systems, and values to enable them to interact effectively and work cooperatively with diverse peoples in multiple professional settings.
- Offer ethically defensible solutions to the problems and issues that emerge in multiple professional settings.
- Employ technical skills and synthesize advanced knowledge to solve problems in their respective areas of specialization and concentration.
- Evaluate information, data, and ideas from multiple sources to develop solutions in their respective areas of specialization and concentration.

## **Major**

### **Interdisciplinary Studies, B.S.**

### **Program Requirements**

**Core Requirements:** Minimum of 38-40 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Major Requirements:** 1.) At least 24 credits in the program must be earned at the 300- or 400- level. 2.) Students must earn a C or better in all classes that serve major requirements, to include electives. 3.) Students will receive transfer credits only for courses in which they earned a final grade of C or better; transfer credit will not be awarded for developmental/ remedial courses. 4.) For students who have earned an associate's degree, a maximum of 60 credits will be applied to the program. These credits will be applied to the core curriculum and the concentration. Additional transfer credits may be awarded with approval from the BSIS Advisory Committee. 5.) Students will develop a concentration in consultation with the Program Coordinator to meet the student's prior experience and professional goals and interests. A concentration will usually fit one of the designs found below. All proposed concentrations must be approved by the BSIS Advisory Committee. 6.) Classes that are used to satisfy a University College core requirement cannot be used/ counted twice in order to satisfy a BSIS program requirement.



**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester.

### University College Core Curriculum: 38 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

#### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

#### Communication Skills - Oral Communication: 3 Credits

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II

- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- GLBL 200 - Global Literacy Experience I
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I

- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services
- SPTM 210 - Ethics and Moral Reasoning in Sport

### Program Requirements: 82 Credits

#### Core Requirements: 21 Credits

One of the following:

- ENGL 380 - Legal Studies Seminar
- ENEC 300 - Environmental Politics and Policy
- GEOG 311 - Spatial Thinking and Data Visualization
- PHIL 220 - Introduction to Logic
- POLI 411 - Public Opinion and Propaganda

and

One of the following:

- BADM 216 - Statistics for Business and Economics I
- CRJC 315 - Criminal Justice Statistics
- POLI 240 - Introduction to Political Statistics
- PSYC 233 - Statistics for Psychology
- SOCI 331 - Social Statistics
- STAT 202 - Basic Probability and Statistics
- SWRK 310 - Statistics for Social Workers

and

One of the following:

- ENGL 321 - American Literature I
- ENGL 322 - American Literature II
- ENGL 335 - Publishing Studio
- ENGL 341 - Advanced Research and Argumentation
- ENGL 342 - Creative Writing
- ENGL 344 - Business and Professional Writing
- ENGL 381 - Legal Research and Writing
- ENGL 345 - Technical Writing

and

One of the following:

- BADM 220 - Ethics in a Contemporary World
- ART 217
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ETCE 200 - Ethics and Civic Engagement in Action
- FESA 360 - Applied Fire Service Ethics
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- INTL 410 - Ethics and Intelligence
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PHIL 320 - Introduction to Ethics
- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services

and

- POLI 425 - Public Leadership and Management

and

- Two\* courses that promote global awareness, at least one of which is at the 300 or 400 level. (ANTH 310 or ART 321 or ART 322 or ART 361 or ART 381 or BIOL 431 or CHIN 310 or CHIN 330 or CHIN 331 or CHIN 332 or COMM 385 or CRJC 361 or DANC 320 or ECON 351 or EDUC 311 or ENEC 400 or ENEC 420 or ENGL 311 or ENGL 312 or ENGL 320 or FINC 354 or FINC 440 or FREN 321 or FREN 322 or FREN 331 or

GEOG 321 or GEOG 322 or GEOG 330 or GEOG 340 or GERM 321 or GLBL 300 or GLBL 400 or HIPO 310 or HIST 311 or HIST 312 or HIST 331 or HIST 350 or HIST 352 or HIST 353 or HIST 370 or HIST 371 or HIST 375 or HIST 380 or HIST 430 or HIST 431 or HIST 432 or HIST 442 or HIST 450 or HIST 451 or HIST 480 or INTL 420 or INTL 440 or INTL 450 or INTL 462 or MGMT 425 or MKTG 421 or PHIL 330 or POLI 350 or POLI 351 or POLI 352 or POLI 353 or POLI 430 or POLI 431 or POLI 432 or POLI 450 or POLI 460 or SOCI 375 or SPAN 300 or SPAN 311 or SPAN 312 or SPAN 320 or SPAN 321 or SPAN 322 or SPAN 331 or SPAN 332 or SPAN 350 or SPAN 411 or SPAN 420 or SPAN 421 or SPAN 431 or SPAN 441 or SPAN 451 or SPAN 461 or SPAN 471 or SPAN 481 or SPEE 430) (\*One of the Global Awareness classes may be a 100 or 200 level Foreign Language class as long as this does not cause a student's upper division hours to drop below 24 hours).

Concentration: 42 Credits

(specific courses chosen by student and faculty advisor to meet personal or professional interest)

Combination:

A combination of existing majors, majors and minors, or minors.

Thematic:

A set of thematically related courses taken from multiple disciplines.

Applied/ Technical:

A set of courses chosen to obtain proficiency in applied/ technical skills; restricted electives can also be used to develop this concentration.

Restricted Electives: 15 Credits

100 – 400 level courses, ideally related to the concentration.

Electives: 4 Credits

100 – 400 level courses, may be from any discipline.

Total Credit Hours: 120

## **Sociology, B.A.**

### **Program Requirements**

**Core Requirements:** Minimum of 38 credits in the core curriculum required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Program Admission Requirements:** A minimum cumulative GPA of 2.0 in attempted coursework at Fayetteville State University is required for acceptance into the undergraduate degree program in Sociology. This restriction does not apply to transfer students.

**Other Major Requirements:** SOCI 480 must be taken within the department. Sociology majors must complete a Major Field Test (MFT) exam in the senior year. Grade of C or higher is required in all major courses. Additionally, a grade of C or higher is required for all courses that are needed for the minor and electives.

**Graduation Requirements:** All graduating seniors are required to complete the Graduating Senior Assessment after completing 90 or more semester hours (including credit by examination), but not later than the graduation semester. A cumulative GPA of 2.0 or higher is required to graduate from the BA program in Sociology.

### University College Core Curriculum: 38 Credits

#### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

#### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball
- PEDU 130 - Basketball
- PEDU 132 - Bowling



- PEDU 140 - Conditioning Exercise

### Communication Skills - Written Communication: 3 Credits

- ENGL 110 - English Composition I

### Communication Skills - Oral Communication 3

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

### Information Literacy: 3 Credits

- ENGL 120 - English Composition II

### Reasoning Skills - Critical Thinking: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

### Reasoning Skills - Quantitative Reasoning: 3 Credits

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry

### Scientific Literacy - Natural Sciences: 7 Credits

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space

- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Laboratory
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Laboratory
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Laboratory
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Laboratory
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
  
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
  
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Lab
- ENEC 202 - Nature, Environment, and Ecology II
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

### Scientific Literacy - Social Sciences: 3 Credits

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History

- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- ENEC 270 - Climate Change and Public Policy
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

### Humanities and Creative Arts: 3 Credits

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

### Global Literacy: 3 Credits

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art
- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II

- GEOG 220 - World Regional Geography
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

### Ethics and Civic Engagement: 3 Credits

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics
- PNUR 210 - Introduction to Professional Nursing
- ENEC 210 - Introduction to Sustainability
- POLI 150 - North Carolina Government and Politics
- SWRK 220 - Introduction to Human Services

### Program Requirements: 82 Credits

### Sociology Courses: 18 Credits

- SOCI 210 - Principles of Sociology
- SOCI 310 - Professional and Career Development
- SOCI 331 - Social Statistics
- SOCI 335 - Sociological Research Methods
- SOCI 350 - History of Sociological Thought
- SOCI 480 - Sociological Seminar

Restricted Electives: 12 Credits

Deviant Behavior (select one from the following):

- SOCI 340 - Crime and Delinquency
- SOCI 360 - Sociology of Deviant Behavior

Micro Analysis (select one from the following):

- SOCI 351 - Contemporary Social Theory
- SOCI 390 - Social Behavior and Interaction

Social Institutions (select one from the following):

- SOCI 330 - Marriage and Family Relations
- SOCI 362 - The Sociology of Religion
- SOCI 370 - The Sociology of the Black Community
- SOCI 372 - Sociology of Education
- SOCI 375 - Comparative Societies
- SOCI 380 - Sociology of Work

Social Inequality and Social Processes (select one from the following):

- SOCI 400 - The Sociology of Gender Roles
- SOCI 410 - Introduction to Gerontology
- SOCI 412 - Race and Ethnic Relations
- SOCI 422 - Collective Behavior and Social Movements
- SOCI 430 - Demography
- SOCI 440 - Sociology of Health
- SOCI 442 - Urban Sociology
- SOCI 462 - Social Stratification
- SOCI 470 - Social Change

Unrestricted Electives in Sociology or Anthropology: 6 Credits

- Other Sociology/ Anthropology courses not already taken to fulfill requirements.

Minor Electives: 18 Credits

- Minor or free electives.

Free Electives: 28 Credits

Total Credit Hours: 120

## **Minor**

### **Africana Studies Minor**

#### Minor Requirements

Grade of C or higher in all minor requirements.

- HIST 210 - African-American History
- HIST 270 - An Introduction to Africa in the World
- SOCI 370 - The Sociology of the Black Community

#### Behavioral and Social Studies

Select one from the following Behavioral and Social Studies courses:

- BADM 352 - Blacks in Contemporary Capitalistic Society
- HIPO 300 - Contemporary African American Politics
- POLI 350 - Government and Politics of Africa
- SOCI 412 - Race and Ethnic Relations

#### Humanities

Select one of the following Humanities courses:

- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- HIST 370 - Africa South of the Sahara
- HIST 375 - Women In Africa
- PHIL 212 - African-American Philosophy

#### Arts

Select one of the following Arts courses:

- ART 362 - African-American Art from 1800
- DANC 320 - Cultural Dance for Contemporary Applications: Cultural Dance for Contemporary Applications
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- THEA 420 - African American Theatre

Total Credit Hours: 18

## **Sociology Minor**

### Minor Requirements

Grade of C or higher in all minor requirements.

- SOCI 210 - Principles of Sociology
- SOCI 350 - History of Sociological Thought
- Twelve credits of SOCI electives.

Total Credit Hours: 18

# University College

The University College is the academic unit ensuring that Fayetteville State University students make a successful transition to the University, master the University's core learning outcomes, enter the major program of their choice, and graduate in a timely manner.

## Mission

The mission of University College is to successfully transition incoming students into Fayetteville State University and their academic major departments. University College promotes excellence through engaging instruction in the core curriculum, effective academic support, outstanding academic advisement, and innovative enrichment programs.

## Academic Support Resources

### Bronco STAR (Supporting Transition, Access, and Retention)

Bronco STAR is an initiative at Fayetteville State that works toward increasing access and decreasing barriers to a college degree for students who learn differently. The Bronco STAR project works in two ways:

- **For students:** Students who have learning differences, and do not learn the traditional way may benefit from our package of services. Bronco STAR participants have access to specially trained tutors, dedicated study space in the Bronco STAR HUB, access to assistive technology, and the ability to learn from one another to meet school and life goals.
- **For faculty:** The STAR program also addresses students' needs by helping faculty become better teachers. Our faculty development program shares ideas based in Universal Design for Learning (UDL) in regular workshops as well as semester- and year-long learning community partnerships.

## Freshman Center

The University College Freshman Center provides assistance to first-time freshmen as they make the transition to the university. The center is staffed by the Retention Counselor, Academic Support Specialists, and Freshman Seminar instructors who assist students in resolving the variety of problems they face either as freshmen or as first semester transfer students. The staff provides information about academic advisement, university policies and procedures, career planning, academic support resources, and other similar matters. The Retention Counselor works closely with the faculty of Freshman Seminar and University Studies. University Studies instructors provide viable information to first semester transfer students as well.

Freshman Seminar I and II is a two-semester orientation to the university that is required of all first-time freshmen. These courses are designed to introduce students to the university experience in general, and the history, policies, procedures, and resources of Fayetteville State University. Students learn about a variety of university resources, such as the Counseling Center, the Chesnutt Library, the Office of Career Services and Placement, and the Business Office and Office of Financial Aid. The courses are intended, further, to help students develop an academic plan that will enable them to graduate in four years, and acquire the time management skills, study habits, and other skills that are necessary for success at the university.



University Studies is a one-semester orientation to the university designed specifically for transfer students who enter FSU with fewer than 30 transfer credits (freshman status). The course content is comparable to that of Freshman Seminar I and II.

Freshman Seminar/University Studies instructors serve as academic advisors for all students enrolled in their respective classes. They seek to help students resolve the variety of problems they may face in making the transition to the university. They assist students with academic advisement and career planning during the freshman year, and direct students to other resources for assistance, as needed.

Transfer students who enter FSU with 30 or more transfer credits are not required to complete University Studies.

## **University College Learning Center**

The University College Learning Center houses several academic support programs to provide computer-based instruction and peer tutoring in a variety of subjects.

The Mathematics Center provides computer assisted instruction and tutoring for students who wish to strengthen their mathematics skills. Students who sign Extension Grade contracts in mathematics or statistics courses may be required to complete weekly assignments in the Mathematics Center. Students in other courses may also seek assistance from the Mathematics Center.

The Writing Center provides a confidential, nonjudgmental environment where student writers can work with other writers through peer tutoring and/or computer programs. Tutors provide feedback and strategies on every part of the writing process, from getting started to organization, style clarity, development, surface problems, and documenting sources. The Writing Center also provides resources for students to use independently, including dictionaries, thesauri, grammar handbooks, handouts, and workbooks, style manuals, and computer assisted instruction.

Supplemental Instruction (SI) is provided in some classes at Fayetteville State University. In this program, which is used in more than 900 colleges and universities throughout the world, highly-qualified students, known as SI Leaders, provide four one-hour sessions of academic support each week. Since the SI Leader attends class, he or she knows what the course instructor has covered in class. SI Leaders review notes, conduct practice quizzes, and carry out additional assignments to reinforce the knowledge and skills required by the class.

## **Academic Enrichment Programs**

### **Freshman Interest Groups**

The University College supports freshman interest groups at Fayetteville State University. Freshman interest groups are sets of linked courses, usually for students in a common major area. Students enroll in all of the courses linked through the freshman interest group. By linking together students, faculty, and courses, freshman interest groups create more opportunities for enrichment, interaction, and exploration.

## **University College Core Curriculum**

The University College Core Curriculum provides the academic foundation for all the undergraduate degree programs at Fayetteville State University. The core curriculum enables students to develop the skills and general knowledge that are essential to success in their respective major programs and careers after graduation.

## Core Learning Outcomes

All Fayetteville State University graduates, regardless of major, will achieve the following learning outcomes, which will be introduced in 100- and 200- level courses and reinforced throughout a student's major courses as appropriate. Fayetteville State University recognizes eight core learning outcomes in two main groups:

### A. General Education

**Communication Skills:** Students will comprehend, analyze, and evaluate the effectiveness of various forms of written and spoken communication, and they will assemble original written and spoken communications that display appropriate organization, clarity, and documentation for a given purpose and audience.

**Reasoning Skills:**

- Reasoning Skills - Critical Thinking: Students will accurately evaluate the reasonableness of arguments' evidence and support, and they will construct reasonable arguments using various forms of evidence drawn from multiple sources.
- Reasoning Skills - Quantitative Reasoning: They will apply math to situations common in everyday living, and they will calculate, interpret, and assess statistical data and concepts, percentages, proportions, rates of change, geometric measures, linear equations, probability and risk.

**Information Literacy:** Students will formulate effective questions based on a need; organize, sort, evaluate, and retrieve academic information to address the need; cite sources appropriately for their context.

**Scientific Literacy:** Students will create and assess hypotheses using research methods, interpret and express the results of observation and experimentation, understand the fundamental concepts of natural and social sciences, and apply scientific knowledge to situations common to daily life to promote physical and psychological well-being.

**Humanities and Creative Arts:** Students will demonstrate comprehension, analysis, and/or synthesis of the cultural and historical contributions of the humanities and/or arts to human cultural and intellectual advancement by engaging in inquiry, writing, and/or creative processes.

**Global Literacy:** Students will experience global diversity through interaction, examination, and critical reflection. Our students will broaden their comprehension and appreciation of globalization and their role as global citizens.

### B. University Requirements

**Transitional Studies:** Upon completion of transitional studies courses students will be able to demonstrate skills they need for a successful transition to university life.

**Ethics and Civic Engagement:** Students will demonstrate knowledge and application of principles of ethical and civic responsibility.

The University College Core Curriculum is designed to ensure that graduates will achieve these learning outcomes.

## Major Requirements

**Core Requirements:** Minimum of 38-40 credits required of all students. Students who enter as first-time freshmen must take an entering freshman and rising junior assessment to complete core requirements.

**Other Program Requirements:** See "Other Program Requirements" on the department catalog page. Major programs may require that students take specific courses from those listed below.

## University College Core Curriculum: 38-40 Credits

### Transitional Studies - University Studies: 2 Credits

UNIV 101-UNIV 102 required for all first-time students; UNIV 110 required for transfer students with fewer than 30 transfer credits. Students do not earn credit if requirement is waived. UNIV 111 may be required based on academic performance.

Select one option from the following:

- UNIV 101 - Freshman Seminar I and
- UNIV 102 - Freshman Seminar II
- or
- UNIV 110 - University Studies
- or
- UNIV 111 - University Studies for Student Success
- or
- UNIV 112 - University Studies for Early College Students

### Transitional Studies - Life Skills: 2 Credits

Select two credits from the following:

- ENTR 100 - Entrepreneurial Thinking
- FINC 100 - Financial Literacy
- GEOG 110 - Environmental Literacy
- HEED 112 - Health and Wellness
- HEED 113 - Health, Fitness, and Wellness
- PEDU 101 - Swimming (Coed)
- PEDU 107 - Weight Training
- PEDU 112 - Golf
- PEDU 120 - Tennis and Badminton
- PEDU 122 - Volleyball

- PEDU 130 - Basketball
- PEDU 132 - Bowling
- PEDU 140 - Conditioning Exercise

## **Communication Skills - Written Communication: 3 Credits**

- ENGL 110 - English Composition I

## **Communication Skills - Oral Communication: 3 Credits**

Select one from the following:

- BADM 215 - Business Communications
- SPEE 200 - Introduction to Speech

## **Information Literacy: 3 Credits**

- ENGL 120 - English Composition II

## **Reasoning Skills - Critical Thinking: 3 Credits**

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select one from the following:

- PHIL 110 - Critical Thinking
- PHIL 220 - Introduction to Logic

## **Reasoning Skills - Quantitative Reasoning: 3-4 Credits**

MATH 121 may be required based on profile scores. Some core courses require a one-hour lab.

Select one from the following:

- MATH 123 - College Algebra
- MATH 126 - Quantitative Reasoning
- MATH 127 - Quantitative Reasoning with Special Applications
- MATH 129 - Precalculus Mathematics I
- MATH 130 - Precalculus Mathematics II
- MATH 131 - Algebra and Trigonometry
- POLI 240 - Introduction to Political Statistics
- STAT 202 - Basic Probability and Statistics

## **Scientific Literacy - Natural Sciences: 7-8 Credits**

At least one natural science class must include its associated lab. Some majors require two lab sciences, increasing requirement to 8 credits.

Select from the following:

- ASTR 101 - Introduction to Astronomy I: The Solar System
- ASTR 101L - Introduction to Astronomy Lab I: Rocket Science
- ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology
- ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space
- ASTR 213 - Life in the Universe
- ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization
- BIOL 111 - General Biology I
- BIOL 111L - General Biology I Lab
- BIOL 131 - General Biology II
- BIOL 131L - General Biology II Lab
- BIOL 150 - Principles of Biology I
- BIOL 150L - Principles of Biology I Lab
- BIOL 160 - Principles of Biology II
- BIOL 160L - Principles of Biology II Lab
- CHEM 105 - Introduction to Chemical Principles Lecture
- CHEM 105L - Introduction to Chemical Principles Laboratory
- CHEM 106 - Introduction to Organic and Biochemistry Lecture
- CHEM 106L - Introduction to Organic and Biochemistry Laboratory
- CHEM 141 - General Chemistry I Lecture and
- CHEM 141L - General Chemistry I Laboratory
- CHEM 161 - General Chemistry II Lecture and
- CHEM 161L - General Chemistry II Laboratory
- ENEC 201 - Nature, Environment, and Ecology I
- ENEC 201L - Nature, Environment, and Ecology I Laboratory
- ENEC 202 - Nature, Environment, and Ecology I
- ENEC 202L - Nature, Environment, and Ecology II Lab
- GEOG 200 - Weather and Climate
- NSCI 111 - Comprehensive Physical Science Lecture
- NSCI 111L - Comprehensive Physical Science Laboratory
- NSCI 121 - Modern Biology
- NSCI 121L - Modern Biology Lab
- PHYS 115 - General Physics I
- PHYS 116 - General Physics II
- PHYS 125 - College Physics I
- PHYS 125L - College Physics I Laboratory
- PHYS 126 - College Physics II
- PHYS 126L - College Physics II Laboratory

## **Scientific Literacy - Social Sciences: 3 Credits**

Select one from the following:

- CRJC 210 - Introduction to Criminology
- ECON 211 - Principles of Macroeconomics
- ECON 212 - Principles of Microeconomics
- ENEC 270 - Climate Change and Public Policy
- GEOG 210 - Principles of Geography
- HIST 212 - The United States since 1865
- HIST 271 - Environmental History
- POLI 200 - Introduction to Political Science
- POLI 210 - Principles of American Government
- POLI 220 - Principles of Public Administration
- PSYC 210 - General Psychology
- SOCI 210 - Principles of Sociology

## **Humanities and Creative Arts: 3 Credits**

Select one from the following:

- ART 210 - Survey of Art
- COMM 220 - Film & Video Appreciation
- ENGL 220 - African-American Literature I
- ENGL 223 - African-American Literature II
- ENGL 240 - Introduction to Literature
- ENGL 250 - Women in Literature
- ENGL 253 - Images of Women
- HIST 210 - African-American History
- HUMN 211 - Humanities: Music, Art, and Ideas I
- HUMN 212 - Humanities: Music, Art, and Ideas II
- HUMN 213 - Humanities: Pop Culture Connections
- HUMN 215 - Arts in Performance
- MUSI 210 - Music Appreciation
- MUSI 225 - A History of Jazz in American Culture
- MUSI 260 - African-American Music
- PHIL 210 - Introduction to Philosophy
- RELI 215 - Introduction to the Bible
- THEA 203 - Introduction to Theatre

## **Global Literacy: 3 Credits**

Not required for students with 30+ transfer credits from a foreign institution. Students do not earn credit if requirement is waived.

Select one from the following:

- ANTH 210 - Introduction to Anthropology
- ART 150 - Manga and Sequential Art in World Culture
- ART 215 - Survey of Global Art

- BADM 210 - Introduction to Global Literacy
- CHIN 110 - Elementary Chinese I
- CHIN 120 - Elementary Chinese II
- ENGL 211 - World Literature I
- ENGL 212 - World Literature II
- FREN 110 - Elementary French I
- FREN 120 - Elementary French II
- GEOG 220 - World Regional Geography
- GLBL 200 - Global Literacy Experience I
- HIST 110 - World History to 1600
- HIST 120 - World History since 1600
- HIST 270 - An Introduction to Africa in the World
- PHIL 211 - Introduction to World Religions
- POLI 230 - Ethics and Global Affairs
- SOCI 150 - The Global Society
- SPAN 110 - Elementary Spanish I
- SPAN 112 - Spanish for the Professions I
- SPAN 120 - Elementary Spanish II
- SPAN 122 - Spanish for the Professions II
- SPAN 211 - Intermediate Spanish I
- THEA 242 - Contemporary World Drama
- YORU 110 - Elementary Yoruba I
- YORU 120 - Elementary Yoruba II

## **Ethics and Civic Engagement: 3 Credits**

Not required for students with 60+ transfer credits. Students do not earn credit if requirement is waived.

Select three credits from the following:

- BADM 220 - Ethics in a Contemporary World
- CRJC 203 - Criminal Justice Ethics
- EDUC 211 - Laboratory Experiences in Area Schools
- ENEC 210 - Introduction to Sustainability
- ENGL 232 - Introduction to Film and Visual Literacy
- ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture
- ETCE 101 - Foundations of Ethics and Civic Engagement
- ETCE 102 - Intermediate Ethics and Civic Engagement in Action
- ETCE 103 - Advanced Ethics and Civic Engagement in Action
- ETCE 200 - Ethics and Civic Engagement in Action
- GEOG 270 - Human Beings and the Environment
- HCM 200 - Ethics for Health Professions
- HIST 211 - The United States to 1865
- PHIL 120 - Moral Principles and Contemporary Moral Issues
- PHIL 212 - African-American Philosophy
- PHIL 250 - Environmental Ethics

- PNUR 210 - Introduction to Professional Nursing
- POLI 150 - North Carolina Government and Politics
- SPTM 210 - Ethics and Moral Reasoning in Sport
- SWRK 220 - Introduction to Human Services

**Total Credit Hours: 38-40**

## **Computer Literacy**

In keeping with the increasing reliance upon computer technology in all fields, Fayetteville State University is committed to ensuring that students gain computer usage skills as appropriate to their respective major fields. Students will gain the competencies of basic computer word processing and Internet skills in University College core courses, as appropriate.

All departments will be responsible for delineating the competencies in computer usage needed in their degree program(s) and for stating the means by which students gain these needed skills.



# **Military Education**

As part of its commitment to support the United States Armed Forces, Fayetteville State University is the home of Reserve Officer Training Corps (ROTC) programs for the Air Force and Army. Students who meet the requirements may choose to enroll in these programs, which lead to commissioning as an officer upon graduation.

## **Department of Aerospace Studies (Air Force ROTC)**

The Air Force Reserve Officer Training Corps (AFROTC) program is a voluntary educational program designed to provide college students an opportunity to earn an Air Force commission while simultaneously working toward a degree. The program exists in two parts, the General Military Course and the Professional Officers Course. Students normally attend a summer field-training encampment between the sophomore and junior years, or second and third years of the program. The Department also offers a Minor in Military Technologies; this minor is open to all students and is not limited to students enrolled in AFROTC.

### **General Military Course (GMC)**

The General Military Course is the first half of the AFROTC program and is taken during the freshman and sophomore years. There is no selection process to enter this portion of the program. The General Military Course allows students the opportunity to gain a greater appreciation for AFROTC, Air Force officers, and the Air Force. Students at this level learn about the organization of the Air Force, officership, career opportunities, and the historical development of the Air Force. Once successfully completing the General Military Course, the next phase is the Professional Officers Corp. Students participate in ARSS 421 and ARSS 422 in lieu of the core curriculum physical education requirements.

### **Professional Officers Course (POC)**

The Professional Officers Course is the second half of the AFROTC program, and entry is competitive. Students are selected to enter the POC based on their ability to maintain certain academic and physical standards. Those selected attend a four-week field-training encampment during the summer at the end of their sophomore or second year.

### **Two-year program**

Candidates attend a five-week encampment. Field training must be successfully completed prior to acceptance into the Professional Officers Course for all cadets and candidates. Individuals accepted into the Professional Officers Course are considered officer candidates and are in line to be commissioned as second lieutenants into the United States Air Force. This portion of the program offers advanced training in leadership, management, and communication skills.

## Professional Development Programs

The Air Force ROTC program provides numerous summer opportunities. Field training (taken prior to entering the Professional Officers Course) allows students to experience the Air Force environment. This experience includes career orientation, junior officer training, aircraft indoctrination, physical fitness, and familiarization with the organizations and functions of an Air Force base. Students are paid during their stay at field training.

In addition to the field-training program, several motivational programs are available to help cadets become more familiar with Air Force life and their desired career fields. These voluntary programs include:

- Air Force Academy Soaring Program (SOAR)
- Air Force Academy Basic Freefall Parachute Training (AFAFF)
- Operation Air Force (OAF)
- British Exchange (BREX)
- Pentagon Internship Program (PENT)
- Nurse Orientation Program (NOP)
- Army Airborne Training (AAT)
- Field Engineering and Research Lab (FERL)
- Combat Survival Training (CST)
- Foreign Language Immersion Program (FLI)

Students participating in these programs are financially compensated. During each academic year, the cadet corps also schedules field trips to various military installations.

## Scholarships

AFROTC offers the opportunity for students attaining a 2.5 GPA or better to compete for three-year or two-year scholarships. These scholarships pay tuition, laboratory fees, textbooks and incidental fees. The recipient also receives a nontaxable stipend each month during the academic year. Four-year and three-year scholarships are offered to graduating high school seniors on a competitive basis. These scholarships also pay full tuition, lab fees, textbooks, incidental fees, and a nontaxable stipend each month. High school students should apply early in their senior year, 1 June to 1 December, for this scholarship.

AFROTC also offers a Pre-Health scholarship which pays for up to three years of undergraduate study and commits to paying for medical school once the recipient is accepted to an accredited school of medicine.

## Degree and Eligibility Requirements

### Degree Requirements

To be commissioned, students must earn a bachelor's or master's degree offered by the university. The Department of Aerospace Studies does not offer a degree, but accepts all university degrees. In a partnership arrangement, the university educates students and grants them degrees; the Department of Aerospace Studies ensures that graduated cadets have the knowledge and awareness to put their education and degrees to use within the Air Force.

## Eligibility Requirements

Eligibility for the General Military Course (GMC) requires each student to enroll in the ARSS 111 (for freshmen students) or ARSS 211 (for sophomore and higher students) level course. During this period, students/cadets are evaluated on academic and corps activities, and compete for acceptance into the Professional Officers Course. Students entering the Professional Officers Course must accomplish the following:

- Be a U.S. citizen by enlistment date
- Be a full-time college student
- Have no history of asthma
- Have no history of drug abuse
- Be medically certified by Air Force medical personnel (arranged by the department)
- Minimum civil involvement (traffic tickets, etc)
- Pass physical fitness test prior to attending field training
- Be of good moral character and academic standing.
- Attain qualifying score on the Air Force Officers Qualification Test
- Successfully complete GMC classes and attend the four-week field-training encampment, or five-week field-training encampment for the two-year program candidates.

## Minor

### Military Technologies Minor

#### Minor Requirements

- ARSS 111 - Heritage and Values of the United States Air Force
- ARSS 112 - Heritage and Values of the United States Air Force II
- ARSS 211 - Team and Leadership Fundamentals
- ARSS 212 - Team and Leadership Fundamentals II
- ARSS 311 - Leading People and Effective Communication
- ARSS 312 - Leading People and Effective Communication II
- ARSS 411 - National Security Affairs/ Preparation for Active Duty
- ARSS 412 - National Security Affairs/ Preparation for Active Duty II

Total Credit Hours: 16

## Department of Military Science (Army ROTC)

Fayetteville State University has a cross-enrollment program with Methodist College, whereby FSU students can pursue a commission in the United States Army, and Methodist University students can pursue a commission in the United States Air Force. FSU students can enroll in classes conducted by the Department of Military Science at Fayetteville State University.

The Military Science curriculum is a leadership development program that enhances students' academic endeavors and develops men and women for positions of responsibility as commissioned officers in the active Army and its reserves. The program has two components: the Basic and Advanced courses.

The Basic Course is normally taken during the freshman and sophomore years. No military commitment is incurred, and the student is permitted to withdraw at any point. Two 100-level Military Science courses (101,102) and two 200-level (201, 202) courses are required.

After completing the Basic Course, students may enroll in the Advanced Course, provided that they have demonstrated officer potential and have a cumulative GPA of 2.0 or higher. The Advanced Course covers the final two years of college, which includes a paid (approximately \$800) five-week Advanced Camp held at Fort Lewis, Washington during the summer between the student's junior and senior years. Advanced Course cadets also receive \$300 - \$400 every academic month. Instruction includes leadership development, oral and written communication skills, military organization, logistical management, small-unit tactics, training management, military history, and practical leadership experience.

The Leadership Development and Assessment Course provides a realistic taste of leadership as cadets put into practice the principles and theories acquired in the classroom. Students who wish to enter the Advanced Course and who did not complete the Basic Course may fulfill them by attending a six-week Leader's Training Course at Fort Knox, Kentucky, during the summer between their sophomore and junior years. Veterans automatically qualify for Advanced Course placement. Prior to commissioning, ROTC cadets must also fulfill professional military education (PME) requirements by taking courses in human behavior, written communication, computer literacy, and math reasoning. Three and two-year scholarships are available on a competitive basis. The scholarships pay for college tuition, textbooks, and laboratory fees, plus a \$200 - \$400 monthly stipend.

## **Military Education**

Fayetteville State University at Fort Bragg has the reputation as one of the nation's top military-friendly universities. As a provider of higher education to military personnel on Fort Bragg, the University is unalterably committed to its military neighbors. Our dedicated faculty, staff and administrators remain flexible in support of all involved in military education at Fort Bragg. And because we understand first hand the perspective of the active duty and activated reserve student, we make available the monetary, personnel and facility resources necessary to provide the same quality educational experience for service members and their families as those enjoyed by our on-campus students. Our motto is "People First - Mission Always" as we continue to seek ways to become a best-value provider of soldiers' educational needs.

## **Minor**

### **Military Studies and Leadership Development Minor**

The minor is open only to students who are admitted into the ROTC program and who are pursuing a commission as an officer in the United States Army. Grade of C or higher is required in all courses for the minor.

#### **Minor Requirements**

- MSCI 101 - Military Organizations

- MSCI 102 - Basic Leadership and Management
- MSCI 201 - Studies in Decision Making
- MSCI 202 - Land Navigation and Tactics
- MSCI 301 - Unit Level Command Response
- MSCI 302 - Terrain Analysis
- MSCI 401 - Basic Officer Course Prep
- MSCI 402 - Advanced Leadership and Management
- HIST 362 - American Military Experience

Total Credit Hours: 23

# Course Descriptions

## Accounting

### ACCT 211 - Principles of Accounting I

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to financial accounting. A study of the basic concepts of accounting, the accounting cycle and preparation of financial statements, and the analysis and recording of transactions for operating, investing, and financing activities.

**Prerequisite:** MATH 121 or MATH 123

### ACCT 212 - Principles of Accounting II

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to managerial accounting. A study of the uses of financial statements, the study of manufacturing operations, and the uses of accounting information by management.

**Prerequisite:** ACCT 211

### ACCT 300 - Accounting Information Systems

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides basic knowledge of how accounting information systems function in business organizations. Transaction flowcharting and internal controls of the revenue, expenditure, and conversion cycles are covered in detail. Attention is also focused on basic computer terminology, EDP controls, and relational databases.

**Prerequisite:** ACCT 211 with a minimum grade of B and ACCT 212 with a minimum grade of B

### ACCT 310 - Managerial Accounting

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of ACCT 212. A study of cost terms; cost behavior; systems design; and the analysis, interpretation, and application of accounting data by management.

**Prerequisite:** ACCT 211 and ACCT 212

## **ACCT 311 - Intermediate Accounting I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of ACCT 212. A study of cost terms; cost behavior; systems design; and the analysis, interpretation, and application of accounting data by management.

**Prerequisite:** ACCT 211 with a minimum grade of B

## **ACCT 312 - Intermediate Accounting II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of Intermediate Accounting I. An in-depth study of accounting for investing and financing activities, leases, income taxes, and pensions.

**Prerequisite:** ACCT 311

## **ACCT 320 - Federal and State Income Taxes**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 0

A survey of basic tax laws and the determination of taxable income for individuals; introduction to tax research.

**Prerequisite:** ACCT 211 with a minimum grade of B and ACCT 212 with a minimum grade of B

## **ACCT 321 - Cost Accounting**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the various cost concepts: accumulation of product costs, joint costs in job order and process cost systems, including analysis of variances for managerial control and decision making, direct and variable costing, cost-volume-profit analysis; the buy or make decision.

**Prerequisite:** ACCT 211 with a minimum grade of B and ACCT 212 with a minimum grade of B

## **ACCT 322 - Advanced Cost Accounting**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of ACCT 321: budgets and analyses of costs and other variances for management action; capital

budgeting, and operations management and yield variances.

**Prerequisite:** ACCT 321

### **ACCT 411 - Advanced Accounting**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Accounting and reporting for investment activities of business. Issues related to foreign currency, accounting diversity, disaggregated information, reorganizations, and liquidations.

**Prerequisite:** ACCT 312

### **ACCT 412 - Government and Public Accounting**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of accounting for non-profit entities, including local, state, and federal government units; educational institutions; hospitals and other health care organizations; and welfare organizations. The course covers the classification and use of funds in such entities, including budgeting, purchasing and financial activities, and the presentation of financial reports by these types of organizations.

**Prerequisite:** ACCT 312

### **ACCT 420 - Advanced Federal Income Taxes**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of ACCT 320: tax laws applicable to corporations, partnerships, trusts, estates, gift tax, and tax planning; substantive research work resulting in formal reports.

**Prerequisite:** ACCT 320

### **ACCT 422 - Auditing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course covers the conceptual and practical aspects of the examination of financial statements by independent accountants. Issues examined include: objectives and techniques of internal control; standards of presentation and disclosure in financial statements; objectives and procedures for auditing practice; statistical sampling techniques; and auditing of EDP records.

**Prerequisite:** Prerequisite: ACCT 300 and ACCT 312



## **ACCT 424 - Financial Statement Analysis**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is a study of the process of business analysis through the evaluation of financial statements. Topics include analysis of financial statements and ratio, strategic, prospective, equity, and credit analysis. This course presumes an understanding of accounting principles in order to successfully master the course content. While some accounting concepts may be reviewed, this course is about the analysis and evaluation of financial information based on Generally Accepted Accounting Principles. Students must be able to express the analysis of cases and other course work in writing that meets professional standards. This course is cross listed with FINC 424.

**Prerequisite:** ACCT 211 and ACCT 212 with a grade of "B" or better and FINC 311 with a grade of "C" or better

## **ACCT 425 - Forensic and Fraud Analysis**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course helps students understand the principles of forensic accounting and fraud examination. Students will learn how and why financial fraud occurs and techniques to identify and investigate these frauds. Topics include fraud prevention, fraud detection, fraud investigation, management fraud, and other key forensic topics.

**Prerequisite:** Prerequisite: ACCT 211 and ACCT 212

## **ACCT 430 - Accounting Theory**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of contemporary financial accounting issues, emphasizing the role of accounting theory in accounting policy decisions; the social, political, and economic influences on the establishment of accounting standards; and the history of the accounting profession and accounting thought.

**Prerequisite:** ACCT 312

## **ACCT 450 - Accounting Internship**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides students with practical experience in the field of accounting in private and public organizations (including industry). Formal class meetings before and after the internship are required to evaluate the work experience of students. The program must be arranged in advance and approved by the

department chairperson. This course is not open to students with credit from any similar program in the institution. This course is cross-listed with BADM 430, ECON 450, FINC 453, FESA 490, and HCM 490.

## **Administrative Services**

### **ADMS 320 - Administrative Services**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to provide for the development of basic desktop publishing concepts and skills which include the essentials of production and design, type and layout, and graphics and text for business and technical applications.

**Prerequisite:** BEDU 110

## **Anthropology**

### **ANTH 210 - Introduction to Anthropology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the history and methods of anthropology, with special emphasis on early hominid and cultural evolution, the comparative study of social institutions, and the nature of cultural differences as they exist in traditional and modern societies.

### **ANTH 305 - Selected Topics in Anthropology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Students will examine in-depth a topic of anthropological importance chosen by the instructor. Particular attention will be focused on current theoretical and/or methodological explanations of the particular substantive topic.

**Prerequisite:** ANTH 210 or permission of the instructor

### **ANTH 310 - Cross-Cultural Studies in Anthropology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to introduce students to the major intellectual, practical, methodological, and ethical

concepts of cultural anthropology. Students will examine in-depth anthropological concepts of culture, behaviors, and belief systems. The goal of this course is to provide a comparative analysis of the cultural differences in human adaptations, the appreciation of diverse values and lifestyles, and the application of the cross-cultural study of people throughout the world.

**Prerequisite:** ANTH 210 or SOCI 150 or SOCI 210 or permission of instructor

## **Aerospace Studies**

### **ARSS 111 - Heritage and Values of the United States Air Force**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 2

ARSS 111 is a survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force.

### **ARSS 112 - Heritage and Values of the United States Air Force II**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 2

ARSS 112 is a continuation of ARSS 111.

### **ARSS 211 - Team and Leadership Fundamentals**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 2

This course focuses on laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and within a team. ARSS 211 and ARSS 212 will prepare cadets for their field training experience where they will be able to motivate sophomore students to transition from AFROTC cadets to AFROTC officer candidates.

### **ARSS 212 - Team and Leadership Fundamentals II**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 2

ARSS 212 is a continuation of ARSS 211.

### **ARSS 311 - Leading People and Effective Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 2

This course teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors.

## **ARSS 312 - Leading People and Effective Communication II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 2

ARSS 312 is a continuation of ARSS 311.

## **ARSS 411 - National Security Affairs/ Preparation for Active Duty**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

ARSS 411 is designed for college seniors and gives them the foundation to understand their roles as military officers in American society. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. The final semester provides information that will prepare the cadets for active duty.

## **ARSS 412 - National Security Affairs/ Preparation for Active Duty II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 2

ARSS 412 is a continuation of ARSS 411.

## **ARSS 421 - Physical Education and Training**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 3

This course is designed to introduce the student to physical fitness and the regulations and components of the Air Force Physical Fitness Assessment. Information on various topics contributing to a fit lifestyle (such as nutrition and hydration, the benefits of aerobic and anaerobic exercise, running shoe selection, etc.) will be interwoven throughout the course. The course will involve calisthenics, introduction to various sports, and running.

## **ARSS 422 - Physical Education and Training**

**Credit Hours: 1**

**Lecture Hours: 0**

**Lab Hours: 3**

This course is designed to introduce the student to physical fitness and the regulations and components of the Air Force Physical Fitness Assessment. Information on various topics contributing to a fit lifestyle (such as nutrition and hydration, the benefits of aerobic and anaerobic exercise, running shoe selection, etc.) will be interwoven throughout the course. The course will involve calisthenics, introduction to various sports, and running.

## **Art**

### **ART 110 - 2D Design**

**Credit Hours: 3**

**Lecture Hours: 0**

**Lab Hours: 6**

An introductory course in two-dimensional design. It provides a basic understanding of elements and principles of design as they relate to drawing, painting, and the graphic arts.

### **ART 121 - Basic Drawing**

**Credit Hours: 3**

**Lecture Hours: 0**

**Lab Hours: 6**

The study of basic principles of freehand drawing. This course emphasizes the elements and principles of art through self-expression and utilizes a variety of drawing media.

### **ART 123 - Basic Digital Design**

**Credit Hours: 3**

**Lecture Hours: 0**

**Lab Hours: 6**

This course is a basic introduction of computer-based skills in the area of visual design. Limited graphic skills will be introduced to assist in self-marketing, advertising techniques, layout, and computer generated images.

### **ART 150 - Manga and Sequential Art in World Culture**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A survey course examining works of sequential storytelling, Manga, graphic novels, and related formats throughout history. These works from various global cultures will be examined and discussed with a focus on major stylistic developments, intellectual movements, and cultural heritage and identity. Discussion will include the dissemination of these materials and the manner in which this demonstrates interdependence and communication among global cultures. The course will incorporate analysis of the materials, representing specific cultural concepts as they relate to international use of genres and social ideals.

### **ART 185 - Introduction to 3D Animation Basics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces the principles of animation through a variety of computer animation techniques. Topics include basics of surfacing, lighting, animation, and modeling techniques. Advanced topics: compositing, particle systems, and character animation.

**Prerequisite:** ART 110

### **ART 210 - Survey of Art**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A general study of the visual arts and their use in business, industry, education, leisure activities, and culture.

### **ART 211 - Introduction to Art History**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the history of architecture, sculpture, painting, and the minor arts, with an historical summary of art form developments in various cultures.

### **ART 212 - Introduction to Painting**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The study of theories, methods and painting techniques for landscapes, still-lives, and varied compositions with special emphasis on the elements and principles of art in painting.

**Prerequisite:** ART 110 and ART 121

### **ART 213 - Introduction to Art Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introductory course in art education which explores the theories and history of art education. Students will learn about current practices and philosophies in the discipline. The course also includes the study of children's artistic, creative, and aesthetic growth and development.

### **ART 214 - Art Education and Cultural Awareness**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Students will study the cultural and personal image of the child and how to integrate these images into art making. The course is a combination of written responses, class discussions, research observations, technological applications and includes a community collaborative art experience.

### **ART 215 - Survey of Global Art**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An art survey course exploring artistic traditions, forms, and achievements from around the world. Students shall examine underlying cultural, social, and aesthetic developments outside western classical traditions, thereby drawing new perspectives on global literacy and cultural appreciation. Specific course content will focus primarily on the research of artists, signature movements, artworks, and processes.

### **ART 222 - Advanced Drawing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The study of compositional development through experimental drawing. This course emphasizes the technical expansion of drawing techniques with varied drawing media and subjects.

**Prerequisite:** ART 110 and ART 121

### **ART 223 - Figure Drawing I**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

An in-depth investigation of the figure as a means of exploring drawing as depiction, organizational device, metaphor and object. Students will explore various dry and mixed media such as pastel, color pencil, collage

techniques. This course is designed for the advanced art major who seeks to master observation, interpretation, and foundation skills in figure drawing.

**Prerequisite:** ART 110 and ART 121

## **ART 226 - Typography**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

This course will provide discussion and exploration of the basic rules and principles of type as an artistic, mechanical, and advertising medium.

**Prerequisite:** ART 110 and ART 123

## **ART 230 - Introduction to Ceramics: Hand Building**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

This course introduces students to basic hand building techniques for forming clay as well as processes used to finalize ceramic works. The main focus will be on techniques in pinch, coil, slab, and additive and subtractive modeling. Students will finish four or more projects. Students will also become familiar with basic decorating, firing, and presentation techniques. Projects will be introduced by means of visual presentations, demonstrations (when appropriate), and documents outlining project objectives and due dates. During visual presentations, students will become familiar with traditional and contemporary ceramics and artists. Group critiques are open discussions that will give students opportunities to present their work and analyze its visual properties and/or the idea (if applicable). Visiting artist lectures, gallery openings, and individual research will be announced when appropriate.

**Prerequisite:** ART 110 or ART 121

## **ART 231 - Introduction to Sculpture**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

A course which introduces basic three dimensional design principles and the application of those principles in a variety of traditional sculpture techniques.

## **ART 250 - Digital Photography**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6



This course will cover digital photography and professional lighting techniques needed to produce commercial print and web images for promotional, retail signage, advertising and marketing themes, and business applications.

### **ART 253 - Introduction to Printmaking**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

An introduction to printmaking processes, including history, development, and techniques. Two traditional categories of printmaking, the relief print and intaglio, are introduced and practiced. Using techniques in each category, students will practice reductive and additive processes; work in black and white and color; and understand the registration and printing of multiple matrixes. Traditional and experimental approaches are encouraged. Serigraphy and lithography are demonstrated by the instructor.

**Prerequisite:** ART 110 and ART 121

### **ART 260 - Introduction to Ceramics: Wheel Throwing**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

This course is an introduction to wheel throwing. Techniques and processes include basic wheel throwing skills, related hand forming techniques (i.e. pulling handles), use of specialized equipment for clay work, glaze application, and discussions about the work with reference to contemporary and historical ceramics. Projects will be introduced by means of visual presentations, demonstrations (when appropriate) and posted assignments outlining project objectives and due dates. During visual presentations students will become familiar with traditional and contemporary artists. Group critiques are open discussions that will give students opportunity to present their work, analyze its visual properties and/or concepts (if applicable). Visiting artist lectures, gallery openings and individual research will be announced when appropriate.

**Prerequisite:** ART 110 or ART 121

### **ART 270 - Sequential Art I**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

This class is meant to serve as a basic introduction to the elements of visual storytelling. Sequential Art as an artistic, mechanical, and advertising medium will be covered in detail as well. Historical examples will be used and the evolution of sequential, graphic, and comic art into its current forms will be explored.

### **ART 285 - Game Design II: Character and Environment Animation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course extends the conceptual framework developed in ART 185: Introduction to Game Design. Students will learn to use a game engine and work through all stages of the game design process, including concept development, design, implementation, play-testing, and deployment. The final product for this course will be a multistage game.

**Prerequisite:** ART 185

## **ART 310 - Creative Art Experiences for Young Children**

**Credit Hours:** 3

**Lecture Hours:** 1

**Lab Hours:** 5

A study of the planning and organization of creative art activities for children from kindergarten through the third grade.

## **ART 311 - Arts and Crafts**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

An introduction to simple sculptured forms, construction, printing, carving, weaving, modeling, and lettering, and to the handling of such materials as wood, metal, clay, fabrics, and paper.

**Prerequisite:** ART 110 and ART 121

## **ART 312 - Drawing and Painting**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

An introduction to the fundamentals of landscape, still life, and portrait drawing and painting, with special emphasis on line, form, texture, and color in objective and non-objective art.

**Prerequisite:** ART 212

## **ART 313 - Figure Drawing II**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

This course focuses on the figure as a central motif in the manipulation of space and pictorial investigation. Students will explore various wet pigment and dry media such as ink, watercolor, acrylic, and oil pigments. This course is designed for the advanced art major concentrating on mastering interpretative and technical

aspects concerns of figurative representation.

**Prerequisite:** ART 121

### **ART 321 - Ancient to Medieval Art**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides a detailed examination of visual art from ancient to medieval times. Students explore architecture, sculpture, and painting in relation to, background history, traditions, and cultural attributes. Museum and gallery visits, photographic slide presentations, and lectures will be integral elements in the course.

### **ART 322 - Renaissance to Modern Art**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides a detailed examination of visual art from the Renaissance to the modern period. Students explore architecture, sculpture and painting in relation to, background history, traditions, and cultural attributes of art forms. Museum and gallery visits, photographic slide presentations, and lectures will be integral elements in the course.

### **ART 330 - Computer Imaging in Visual art**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

This course investigates the concept and techniques of applying computer imaging to fine art. Macintosh and IBM computers will be used to generate desktop publishing from creative graphics. Focus will be given to the leading graphic software applications.

**Prerequisite:** ART 110 and ART 121 and ART 123 or ART 250

### **ART 331 - Color Theory and Techniques**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

The study of color theories, color harmonies, and the orchestration of colors in design composition and nature to express symbolic, psychological, and aesthetic ideas.

**Prerequisite:** ART 110

### **ART 340 - Woman, Culture, and Imaging**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on how Western aesthetics and cultural ideology have shaped women's relationships to the visual arts from the medieval period to the present.

### **ART 341 - Leathercraft**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 5

A course in the design and production of craft projects fashioned in leather or with leather decoration.

### **ART 351 - Commercial Photography**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

Teaches the student all aspects of commercial photography and its practices including lighting techniques. Current trends in business practices for the photographic industry will be covered as well as small business techniques as they relate to photography.

**Prerequisite:** ART 250

### **ART 352 - Commercial Art**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

A study of working theories and practical applications of design linked to the sale or promotion of a product or commodity. Skills developed include fashion design, cartooning, illustrating, lettering, and package design, as well as photographic, and airbrush techniques.

**Prerequisite:** ART 110 and ART 123 and ART 330

### **ART 354 - Advanced Printmaking**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

This course moves the student into technical areas of printing to include the following: photo-silk screening, creative techniques in screening, and other advanced techniques.

**Prerequisite:** ART 110 and ART 121 and ART 253

## **ART 355 - Multi-Media Print**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

A course designed to explore and combine traditional printmaking techniques with digital, computer generated, and other photo-based technologies.

**Prerequisite:** ART 110 and ART 121 and ART 253 and ART 354

## **ART 360 - Advanced Ceramics II**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

Students will be guided in advanced ceramic skills and techniques as they pertain to the individual goals described in a written contract of the students construct. Within the structure of a standard class the focus will be to guide and instruct the students as a whole on the specific topics of each student's choice. Students will also become familiar with historical and contemporary Artists as with the navigation of the art industry and professional practices therein. Projects will be introduced by means of visual presentations, demonstrations (when appropriate) and posted assignments outlining project objectives and due dates. During visual presentations students will become familiar with traditional and contemporary artists. Group critiques are open discussions that will give students opportunity to present their work, analyze its visual properties and/or the concept (if applicable). Visiting artist lectures, gallery openings and individual research will be announced when appropriate.

**Prerequisite:** ART 230 or ART 260 or ART 371 or ART 375

## **ART 361 - African Art**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the regional art of Africa, with attention given to historical, sociological, and theological backgrounds.

## **ART 362 - African-American Art from 1800**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of works by African-American artists, including an investigation of the historical and environmental influences on contemporary black art.

## **ART 363 - Contemporary Art**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of late modern art to the present, the course is an analysis of works of art in their historical, social, and cultural context. Artists and works of art are examined within periods and style, influential art theories, the art market, and changes in consumer society.

**Prerequisite:** ART 322

### **ART 365 - History of Photography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The history of photography is traced from its inception to modern times. The advent of the camera and a prognostication of its destiny are contemplated. The course includes lecture, darkroom laboratory work, and field experience. Color, black and white, and digital photography are included. Photographic essay and thesis are required.

### **ART 366 - Introduction to Metals**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

An introduction to metal sculpture using basic fabrication and casting techniques. Beginning metal fabrication includes the development of design concepts, as well as techniques for cutting, forming, welding, and finishing. Casting in metal includes basic lost wax methods, the foundry process, and finishing techniques.

**Prerequisite:** ART 231

### **ART 367 - Subtractive Sculpture**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

An introduction to sculptural concepts developed through reductive carving techniques in the medium of wood, plaster, and stone as an expressive method of creating forms in space. Technical proficiency is based on understanding materials, use of specialized hand tools and equipment (power and pneumatic), safety practices, shaping, finishes, and presentation.

**Prerequisite:** ART 231

### **ART 368 - Introduction to Woodworking**

**Credit Hours:** 3  
**Lecture Hours:** 0

**Lab Hours:** 6

An introduction to wood and wood fabrication as a sculpture medium, this course includes an overview of general wood properties; medium specific wood working hand tools; safety and equipment in cutting; and joinery and finishing techniques.

**Prerequisite:** ART 231

## **ART 370 - Sequential Art II**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

This class is meant to serve as an advanced introduction to the elements of visual storytelling. This class will focus on classical animation and current animation technologies. The course uses historical and international examples and explores the evolution of sequential, graphic, and comic art into contemporary forms and genres.

**Prerequisite:** ART 270

## **ART 371 - Clay Modeling I**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

A course in clay modeling where students work from the figure to understand systems of sculpting from life.

**Prerequisite:** ART 121

## **ART 372 - Mold Making and Casting Processes**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

A course that instructs the student in the process of mold-making and casting in metal, plaster, hydrocol, rubber/silicon, resins or concrete. Many different casting techniques will be discussed, but only a few will be put into practice. This is because the materials are cost prohibitive although the processes are similar.

**Prerequisite:** ART 121 and one of the following: ART 230 or ART 231 or ART 260 or ART 371

## **ART 375 - Installation Art: Ceramics and Mixed Media**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course explores many of the twentieth century sculptural issues related to installation art. Topics may include indoor and outdoor site-specific work, sculpture on a grand scale, and 3-D public art. Students are

required to execute an installation piece complete with proposals and preliminary models.

**Prerequisite:** ART 121 or ART 230 or ART 231 or ART 250

### **ART 381 - Islamic Art**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey of Islamic art from the period of the early caliphates (c. 700) to the heights of the Islamic empires (c. 1700), combined with close examinations of the issue of aniconism in the Islamic artistic tradition and of relationships between the Islamic and western traditions.

### **ART 383 - Art Education Methods and Materials, K-5**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

An analysis of learning themes relating to growth and development in the visual arts, the organization of tools, media and materials appropriate for the elementary level. A practicum of 10 hours at an assigned elementary school is required where the student assists the teacher, tutors students, and teaches a minimum of two art lessons.

**Prerequisite:** EDUC 310 and EDUC 330 and SPED 320 and READ 320

### **ART 384 - Art Education Methods and Materials, 6-12**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

An analysis of learning themes as related to growth and development in the visual arts, organization of tools, media and materials appropriate for the secondary level. A practicum of 10 hours at an assigned middle or high school is required where the student assists the teacher, tutors students, and teaches a minimum of two art lessons.

**Prerequisite:** EDUC 310 and EDUC 330 and SPED 320 and READ 320

### **ART 385 - Game Design III: Game Mechanics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Mechanics are the working parts of a game system. Whether on a screen or on a table, all games have rules and logic that make the game fun and challenging. In this course, students analyze and implement a wide range of the interactive components of game design. This course takes an in-depth look at what makes a game a game, and how to best approach player interaction for any given concept. Through demonstrations and discussion,



students explore the vast possibilities to consider as they construct their own game structure.

**Prerequisite:** ART 285

### **ART 391 - Computer Graphics in Fine Arts**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course explores the development of computers as a tool to produce art. This class will allow students to experience the creation of their own art using computers, and to understand the concepts and rules of fine art production as they relate to this medium.

**Prerequisite:** ART 123 and ART 250 or ART 330

### **ART 400 - Art Thesis**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 1

A course involving individual projects that investigate survival strategies, materials and techniques, theory of art, methods of criticism, and exhibition and presentation in the selected area. Intended for specialized studies in painting, ceramics, sculpture, graphics, and art history.

**Prerequisite:** Senior standing

### **ART 410 - Art Criticism**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course aimed at the evaluation of art concepts, the philosophy of aesthetics, and an analytical approach to discussing art forms.

**Prerequisite:** ART 363

### **ART 412 - Advanced Painting**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

The study of painting techniques and composition, emphasizing a variety of painting media and the treatments of surface and subject matter to the development of styles.

**Prerequisite:** ART 121 and ART 212

### **ART 413 - Direct Study in Advanced Painting III**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A directed study course for students seeking contemporary water media painting problems. This course emphasizes the study of design principles, color structure, and fundamental methods of pictorial organization.

**Prerequisite:** ART 121 and ART 212

### **ART 414 - Directed Study in Advanced Painting IV**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A directed study course for students seeking a comprehensive analysis of painting media, experimentation of painting styles and self-expression.

**Prerequisite:** ART 121 and ART 212

### **ART 416 - Instructional Design and Assessment of Learning**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An exploration of instructional design and assessment principles and their application to the problems of teaching and learning, including the design of instruction; task analysis; curriculum development; instructional match; assessment of learning; types of assessment; and the alignment of curriculum, teaching, and assessment. The course will also explore the graphic abilities of the learner, the philosophy of sequential learning, various production techniques, classroom management, and processes appropriate for K-12 art instruction. Students will be introduced to Teacher Performance Assessment (Ed TPA). A twenty-hour practicum is required where the student assists the teacher, tutors students, and teaches a minimum of three art lessons. *(This course is required prior to student Teaching).*

Course is cross- listed with EDUC 331.

**Prerequisite:** EDUC 310 and EDUC 330 and SPED 320 and READ 320

### **ART 433 - Directed Study in Advanced Printmaking III**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a directed study for students seeking extensive experimentation in printmaking techniques particular to traditional and contemporary printmaking processes.

**Prerequisite:** ART 253 and ART 354

### **ART 434 - Directed Study in Advanced Printmaking IV**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A direct study for students seeking to apply their knowledge of advanced printmaking techniques with an emphasis on development of personal style.

**Prerequisite:** ART 253 and ART 354

### **ART 440 - Basic Photography**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 4

A course including activities such as camera operation, picture taking, darkroom techniques and procedures, and photo printing. Students must have access to a camera.

**Prerequisite:** ART 250

### **ART 441 - Weaving**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of cloth making, with emphasis on design and on the use of hand, floor, and table looms.

### **ART 450 - Studio Problems**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

A course designed for independent work in the student's area of concentration. Advanced studio problems will be investigated. Variable credit may be earned.

**Prerequisite:** ART 110 and ART 121

### **ART 452 - Ceramics IV: Clay and Glaze Chemistry**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

A hybrid course in advanced ceramics emphasizing formulations of clay bodies and glazes. Clay and glaze recipe development and testing, materials research, alternative surface treatments, firing schedules, as well as instruction in kiln operation will be covered.

**Prerequisite:** ART 360 or ART 371 or ART 372 or ART 375 or CHEM 161 or CHEM 421

## **ART 453 - Ceramics V: Directive Study**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

Students will be guided in advanced ceramic skills and techniques as they pertain to the individual goals described in a written contract of the student's construct. Within the structure of a studio class the focus will be to guide and instruct the student on the development of a body of work to be presented in a senior thesis show. Students will also become familiar with navigating the art industry and professional practices to establish a career trajectory.

**Prerequisite:** ART 371 or ART 375 or ART 452

## **ART 461 - Advanced Photography**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

A course providing additional and advanced experiences in photographic production through the mastery of photo materials and equipment, with emphasis on visual literacy, the aesthetic manipulation of compositional elements, and successful photographic production.

**Prerequisite:** ART 250

## **ART 462 - American Art**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course that covers the history of painting, graphics, sculpture, and architecture in American history.

**Prerequisite:** ART 210

## **ART 473 - Advanced Metals**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

This course builds on the basic techniques of casting and fabricating metal sculptures. Application of advanced three-dimensional design principles, mixed media, finishing techniques and patinas are explored.

**Prerequisite:** ART 231 and ART 366

## **ART 481 - Computer Design Multimedia**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces students to interactive art, a form that allows the viewer or user to interact with visual communication. Students will be challenged to produce interactive art through the use of two types of software: PowerPoint and MacroMedia.

**Prerequisite:** ART 123 and ART 330 and ART 352

## **Astronomy**

### **ASTR 101 - Introduction to Astronomy I: The Solar System**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A general introductory course in astronomy that covers celestial motions of the earth, sun, moon, and planets; nature of light; ground and space-based telescopes; comparative planetology; the earth and the moon; terrestrial and gas planets and their moons; dwarf planets, asteroids, and comets; planetary system formation; extrasolar planets; and the search for extraterrestrial intelligence (SETI). Although this is not a lab course, telescopic observations and student-led inquiry are incorporated into the course.

**Prerequisite:** MATH 123 or higher

### **ASTR 101L - Introduction to Astronomy Lab I: Rocket Science**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

This laboratory course features activities that are designed to enhance student understanding of the practice of modern astronomy as well as to enhance hands-on STEM competency. The organizing principle of this lab is "rocket science," a recapitulation of the intellectual quest that has enabled humans to journey amongst the planets. Activities will include telescope design, a study of electromagnetic radiation, using telescopes at the FSU Observatory, and launching rockets. The course will also incorporate an examination of the prospects for the continuation of this enterprise indefinitely into the future, this incorporating sustainability into the course.

**Prerequisite:** MATH 123 or higher

### **ASTR 102 - Introduction to Astronomy II: Stars, Galaxies, and Cosmology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course designed to provide students with a follow-up examination of astronomy, reinforcing a theoretical and practical understanding of the scientific process and an enthusiasm for its utilization in the solution of relevant challenges that they may expect to face in their own lives. Relevant scientific principles will be utilized

throughout the course, including mechanics and the nature of light. Coverage will include the sun; stellar observables; star birth, evolution, and death; novae and supernovae; white dwarfs; neutron stars; black holes; the Milky Way galaxy; normal galaxies; active galaxies and quasars; dark matter; dark energy; cosmology; the early universe; the possible multiverse; and the prospects for the existence of life elsewhere in the universe.

**Prerequisite:** ASTR 101

## **ASTR 102L - Introduction to Astronomy Lab II: Our Place in Space**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

In this course, students will learn how to use robotic telescopes in the Chilean Andes and around the world, and use these telescopes to observe planets, dwarf planets, moons, asteroids, binary and variable stars, supernovae, star-forming regions, star clusters, and galaxies. Through these observations, students will explore the following topics: the seasons, the Galilean revolution, the cosmic distance ladder, the Great Debate, dark matter, Hubble's Law, and dark energy.

**Corequisite:** ASTR 102

## **ASTR 213 - Life in the Universe**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The aim of this course is to convey the detailed conceptual ideas associated with the important and topical question of the formation of life in the universe. The course will discuss all the environmental circumstances that seem to encourage the start of any life form and investigate the current state of our knowledge of life outside of the earth. This course addresses fundamental questions regarding the prospects of life elsewhere in the universe and the best ways to search for evidence of such life. These questions are looked at from a multidisciplinary viewpoint, which includes astronomy, biology, chemistry, and geology. However, other issues, including historical, cultural, and philosophical perspectives, are also included.

**Prerequisite:** ASTR 101

## **ASTR 214 - Special Topics in Astronomy: A Cosmic Perspective on the Sustainability of Human Civilization**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides an overview from a cosmic perspective of the challenges facing humanity in the development of a sustainable lifestyle on Earth. We survey the history of humanity's impact on the Earth's mineral and biological resources, and consider problems posed by the exponential rise of some of these impacts. Limits to growth are explored, as are the reduction of impacts that can occur with human behavior more aligned with the finite nature of the Earth's resources. The prospects of human colonization of other bodies in the solar

system, galaxy, and universe are examined.

**Prerequisite:** ASTR 101

## **ASTR 225 - Observational Astronomy**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 2

This course trains students in the operation of a research grade telescope for data acquisition. Data reduction methods will be utilized to provide an adequate signal to noise ratio required to support a variety of research topics. Using data collected during class or from other repositories, the student will research a relatively narrow topic in astronomy and present the topic through oral and poster presentations. Experience with computer programming is recommended.

**Prerequisite:** MATH 130 or MATH 131 or MATH 142

## **Business Administration**

### **BADM 200 - Principles of Business**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides students with a basic study of business activity and how it relates to the economic society. The course is designed to help students develop a basic understanding of the areas of economics, management, marketing, accounting, and finance.

### **BADM 209 - Legal Environments of Business**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An overview of law and the legal environment of business, emphasizing those parts of law necessary to understand and appreciate the regulatory role of government and including such topics as constitutional law, contracts, torts, business ethics, business organizations, and government regulations.

**Prerequisite:** ENGL 110 and PHIL 110

### **BADM 210 - Introduction to Global Literacy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to a survey of the theoretical and institutional intricacies of global literacy, with a focus on the

special knowledge and skills critical to all engaged in the day-to-day interactions and administration of business enterprises and governmental organizations with overseas relationships.

### **BADM 214 - Microcomputer Applications in Business**

**Credit Hours:** 3

**Lecture Hours:** 1

**Lab Hours:** 2

This course is designed to develop an understanding of the computer as a business and personal tool. Students will get a working knowledge of a variety of software programs such as spreadsheets, word processing, databases, and presentations. Projects that simulate business applications are provided.

### **BADM 215 - Business Communications**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course that presents a scientific approach to the analysis and resolution of business problems through business letters, memoranda, and researched analytical reports. Other topics of study include nonverbal communication, business ethics, office automation, employment procedures, international business, and oral and listening skills.

**Prerequisite:** ENGL 120

### **BADM 216 - Statistics for Business and Economics I**

**Credit Hours:** 4

**Lecture Hours:** 4

**Lab Hours:** 0

This course introduces statistical principles for business and economics applications. A study of multiple regression methods, analysis of variance, chi-square and elements of sampling, with training in statistical analysis with computer-based applications.

**Prerequisite:** MATH 123

### **BADM 220 - Ethics in a Contemporary World**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the major theories of ethics and civic engagement. A core course developed to address the problems, questions, and dilemmas arising in business. This course offers an introduction into the classical and contemporary theories of morality, ethics, and civil engagement. It places emphasis on the development of moral reasoning skills that allow for meaningful analysis.

### **BADM 312 - Statistics for Business and Economics II**



**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of multiple regression methods, analysis of variance, chi-square tests, elements of sampling, quality control, and index numbers, with training in statistical analysis with computer-based implementation.

**Prerequisite:** BADM 216

### **BADM 352 - Blacks in Contemporary Capitalistic Society**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of racial issues considered within the context of American capitalism. This course emphasizes innovative techniques and procedures aimed at improving conditions for minorities and focuses on topics such as finance, business ownership, internal operations, salesmanship, banking, and managerial techniques.

### **BADM 412 - Business Law**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the basic concepts of law applicable to the business profession and business endeavors, covering such topics as contracts, torts, commercial paper, agency, property, business organizations and constitutional protection.

**Prerequisite:** BADM 209

### **BADM 430 - Business Internship**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course providing students with practical experience in approved business positions, including a seminar for formal evaluation of their work experience. Program must be arranged in advance and approved by the department chairperson; course is not open to students with credit from any similar program in the institution. This course is cross-listed with ACCT 450, ECON 450, FINC 453, FESA 490, and HCM 490.

### **BADM 490 - Seminar in Business Administration**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course involving various subject matters as deemed by the business faculty to be appropriate to the needs of the student in meeting the objectives of the business degree program.

## **Biochemistry**

### **BICH 411 - Biochemistry I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introductory course that provides a theoretical basis for the major principles in biochemistry. The course includes an historical perspective of biochemistry, and a study of the four major biological macromolecules: proteins, lipids, carbohydrates, and nucleic acids. Three major areas of biochemistry will be emphasized: (1) acid/base equilibria; (2) structure and function of bio-molecules; and (3) biological information flow. In addition to lectures and discussions, problem sets will be assigned to equip students with an understanding of basic biochemical principles and to promote critical thinking and problem solving skills.

**Prerequisite:** BIOL 150 and BIOL 150L and (CHEM 220 or CHEM 223)

### **BICH 412 - Biochemistry II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of bioenergetics, biosynthesis of major biological macromolecules, and metabolic pathways in animals, plants, and microbes. Emphasis will also be placed on methods of purification and analysis of biological macromolecules and applications of basic biochemical principles to living systems. In addition to lectures and discussions, problem sets will be assigned to equip students with an understanding of basic biochemical principles and to promote critical thinking and problem solving skills. The course content will be correlated with the laboratory exercises in the co-requisite Biochemistry laboratory (BICH 421).

**Prerequisite:** BICH 411 or BICH 421

### **BICH 413 - Biochemistry III**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is the third course in a three course series in biochemistry. It is designed to provide the theoretical basis for major concepts in molecular and cellular biochemistry. Three major areas of biochemistry will be emphasized: hormonal regulation in metabolic pathways, molecular information pathways, and *in vivo* cellular protein sorting and trafficking pathways.

**Prerequisite:** BICH 412

### **BICH 421 - Biochemistry Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 1

The application of biochemical principles and techniques to the separation, purification, and analysis of biological substances, and to the investigation of metabolic activity.

**Prerequisite:** BICH 411 and BICH 412 (may be taken concurrently)

## **Biology**

### **BIOL 111 - General Biology I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introductory study of concepts relating to the origin of organisms: cell history, reproduction, structure, and function; atomic and molecular structure of the cell; energy relations; structure, composition, and systematics of major organic compounds; sexual and asexual reproduction; genetics and evolution; and plant evolution, diversity, structure, function, and control systems.

### **BIOL 111L - General Biology I Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

Lab exercises consist of experiments illustrating biological principles and basic laboratory techniques including the process and tools of scientific inquiry, pH and buffers, macromolecules, using the microscope, photosynthesis, cell respiration, and movement of molecules across membranes.

**Corequisite:** BIOL 111

### **BIOL 131 - General Biology II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Designed to acquaint Biology non-majors and majors with the science of living organisms and to familiarize them with general techniques and methods employed by scientists. The course aims to equip students with facts and skills necessary to make informed decisions in today's scientifically complex environment. Major areas of study include structure/function relationships in plants and animals, adaptation, and homeostasis, biodiversity, relationships between organisms at the population and community level, relationships between organisms and their environments at the ecosystem level, and to evolutionary biology.

**Prerequisite:** BIOL 111 and BIOL 111L

## **BIOL 131L - General Biology II Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

Lab exercises include the process of scientific inquiry, tools for scientific inquiry, pH and Buffers, macromolecules, using the microscope, enzymes and factors that affect enzyme activity, movement of molecules across cell membranes, the digestive system, the circulatory system, the sensory system, plant diversity, and animal diversity. These lab topics complement the lecture topics in BIOL 131.

**Prerequisite:** BIOL 111 and BIOL 111L

## **BIOL 150 - Principles of Biology I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The study of the major principles relating to the nature of organisms, with emphasis on molecular, cellular, genetic, and evolutionary concepts, and with two (2) hours of lab consisting of experiments on the analysis of the chemistry of cellular and related materials.

**Prerequisite:** MATH 123 or higher level of MATH

## **BIOL 150L - Principles of Biology I Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This laboratory course consists of experiments on the scientific method, measurements in biology, the use of microscopes, cell structure and function, functions of biologically important molecules, spectrophotometry, diffusion and osmosis, cell membrane structure and function, enzymes, photosynthesis, and genetics.

**Prerequisite:** MATH 123 or higher

## **BIOL 160 - Principles of Biology II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The study of the major principles relating to the nature of organisms, with emphasis on evolution, introducing the diversity and complexity of life at the macro-scale (survey of kingdoms and phyla). The course will include two (2) hours of lab consisting of observations and dissections of both plant and animal species and stressing

the relationship between form and function.

**Prerequisite:** BIOL 150

## **BIOL 160L - Principles of Biology II Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This laboratory course consists of experiments on the observations and dissections of both plant and animal species stressing the relationship between form and function.

**Prerequisite:** BIOL 150 and BIOL 150L

## **BIOL 200 - Cellular Biology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An examination of cell structure in relation to function, including studies of biochemistry, cytogenetics, physiology, reproduction, and the evolution of animal, plant, and bacterial cells.

**Prerequisite:** BIOL 150 and CHEM 141 and CHEM 141L (may be taken concurrently)

## **BIOL 200L - Cellular Biology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This laboratory course reinforces concepts introduced in cellular and molecular biology with emphasis placed on problem-solving, analytical analysis, and scientific writing in experiments including the light microscope, identification of biological molecules, DNA transformation, plating and selection, DNA isolation, gel electrophoresis, and polymerase chain reaction (PCR).

**Prerequisite:** BIOL 150 and BIOL 150L

Pre/co-requisite: BIOL 160, CHEM 141, or CHEM 142

## **BIOL 205 - Medical Terminology**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

A comprehensive study of the language of medicine, including the use of the terms in the various areas of medical science.

## **BIOL 210 - General Botany**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the morphology, anatomy, physiology, reproduction, taxonomy, and ecology of higher plants, fungi, and algae, with two (2) hours of lab consisting of observation interpretation of the morphology and structure relating to the function, identification, and adaptation of higher plants, fungi, and algae.

**Prerequisite:** BIOL 200 and BIOL 200L

### **BIOL 210L - General Botany Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

Lab exercises will involve plant cells; external plant structure; morphology and anatomy of monocot and dicot roots, stems, and leaves; secondary growth in stems; photosynthesis; plant water relations; plant tissue culture; genetics; algae; bryophytes; lower vascular plants; gymnosperms; and angiosperms.

**Prerequisite:** BIOL 200 and BIOL 200L

**Corequisite:** BIOL 210

### **BIOL 220 - General Zoology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of concepts of animal biology relative to structure, function, ecology, heredity, and embryogenesis, with emphasis on the evolution and characteristics of major animal phyla, and with two (2) hours of laboratory studies relative to basic concepts of animal biology.

**Prerequisite:** BIOL 150 and BIOL 150L and BIOL 160 and BIOL 160L

### **BIOL 220L - General Zoology Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

This laboratory course accompanies BIOL 220 and utilizes dissection and microscopy in the investigation of animal biology.

**Prerequisite:** BIOL 160 and BIOL 160L

### **BIOL 225 - Scientific Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course designed to introduce students to the principles of oral and written communication. Students will learn how to read, critique, and write a scientific paper; how to conduct literature searches; and how to prepare and present an oral scientific talk. In addition, the ethical issues related to scientific communications and scientific integrity will be discussed.

### **BIOL 230 - Human Anatomy and Physiology I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A systematic study of the structures and functions of musculoskeletal, neural, and integumentary systems of the human body, with two (2) hours of laboratory studies on the structures and functions of the human body's composite systems.

**Prerequisite:** BIOL 150 and BIOL 150L

### **BIOL 230L - Human Anatomy and Physiology I Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

This laboratory course accompanies BIOL 230 and involves an investigation of the structures and function of human organ systems covered in BIOL 230.

**Prerequisite:** BIOL 160 and BIOL 160L

**Corequisite:** BIOL 230

### **BIOL 240 - Human Anatomy and Physiology II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A systematic study of the structures and functions of the endocrine, circulatory, digestive, respiratory, excretory, and reproductive systems of the human body, with two (2) hours of laboratory studies on the structure and function of the human body's composite systems.

**Prerequisite:** BIOL 230 and BIOL 230L

### **BIOL 240L - Human Anatomy and Physiology II Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

This laboratory course accompanies BIOL 240 and involves an investigation of the structures and functions of human organ systems covered in BIOL 240.

**Prerequisite:** BIOL 230 and BIOL 230L

**Corequisite:** BIOL 240

## **BIOL 255 - Principles of Microbiology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course designed to introduce the structure, diversity, physiology, metabolism, and genetics of microorganisms. The role of microorganisms in disease and human health will be explored. Fundamental concepts of immunology, epidemiology, microbial pharmacology, and antibiotic resistance will also be covered. The course includes two (2) hours of lab consisting of applications of essential microbiological laboratory methods. An understanding of experimental design, scientific writing skills, and aseptic technique will also be assessed in lab. This course is designed for nursing and pre-nursing majors only. No other major at Fayetteville State University is permitted to use BIOL 255 to fulfill Natural Sciences requirements. Only nursing and pre-nursing majors are permitted to use BIOL 255 to fulfill support course requirements. This course does not meet the Microbiology course requirement for Biology, Biology Education, Biotechnology, Forensic Sciences, or pre-professional degree programs.

## **BIOL 255L - Principles of Microbiology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This course consists of applications of essential microbiological laboratory methods. Laboratory techniques addressed will include microbial isolation and culture, aseptic technique, and microbial identification. Emphasis is placed on microscopic techniques.

## **BIOL 310 - Principles of Genetics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the fundamental concepts and principles of Mendelian genetics, cytogenetics, molecular genetics, and the application of genetic technologies, with two hour laboratory experiments and exercises designed to reinforce and deepen students' understanding of basic concepts and principles of genetics and to provide an opportunity to obtain hands-on experimental and problem solving skills.

**Prerequisite:** BIOL 200 and BIOL 200L

## **BIOL 310L - Principles of Genetics Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2



Lab exercises will cover topics including monohybrid and dihybrid crosses; mitosis; meiosis; application of probability and Chi-square analysis in genetics; plant root chromosome spread; inheritance of sex-linked genes; genetic mapping; DNA isolation; and PCR primer design.

**Prerequisite:** BIOL 200 and BIOL 200L

**Corequisite:** BIOL 310

### **BIOL 320 - Biology Seminar**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

A course involving discussions of current topics in modern biology. Student presentations of papers on special issues in biology should be expected.

### **BIOL 325 - Molecular Biology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An in depth study of the structure, function, and biochemistry of proteins and nucleic acids. Isolation, purification and structural modification of DNA and protein in laboratory exercises will be utilized to provide an understanding of the various DNA/protein methodologies and their applicability to forensic science. This course is cross listed with FORS 325.

**Prerequisite:** BIOL 200 and CHEM 222 and CHEM 223 and CHEM 223L

### **BIOL 325L - Molecular Biology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

Laboratory exercises will focus on isolation, purification, and structural modifications of DNA and proteins to provide an understanding of nucleic acids and protein methodologies and their application in research in industry. Cross listed with FORS 325L.

**Prerequisite:** BIOL 200, CHEM 222, CHEM 223, and CHEM 224

### **BIOL 330 - Microbiology and Immunology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the structure, physiology, ecology, and immunological host relationships of prokaryotes and other microorganisms, with two (2) hours of lab consisting of applications of microbiological and

immunological techniques.

**Prerequisite:** BIOL 200 and CHEM 141 and CHEM 141L and CHEM 161 and CHEM 161L

### **BIOL 330L - Microbiology and Immunology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This course teaches basic microbiological laboratory methods. Laboratory techniques addressed include experimental design, aseptic technique, isolation and identification, microscopy, sensitivity assays, epidemiology, and food microbiology.

### **BIOL 350 - Ecology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the interactions between organisms and their environment.

**Prerequisite:** BIOL 310 and BIOL 310L

### **BIOL 350L - Ecology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

A study of the interactions between organisms and their environment.

**Prerequisite:** BIOL 310 and BIOL 310L

### **BIOL 355 - Comparative Anatomy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A comprehensive study of the anatomy of chordates, with two (2) hours of laboratory studies consisting of anatomical systems of representative chordates.

**Prerequisite:** BIOL 220 and BIOL 220L

### **BIOL 355L - Comparative Anatomy Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This laboratory course involves an investigation of the anatomical systems of representative chordates.

**Prerequisite:** BIOL 220 and BIOL 220L

**Corequisite:** BIOL 355

## **BIOL 370 - Vertebrate Physiology**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

A study of the functions and functional relationships of organs and organ systems of vertebrates, especially humans, with two (2) hours of laboratory studies consisting of an introduction to laboratory techniques used for studying the physiology of vertebrates.

**Prerequisite:** BIOL 200 and BIOL 200L

## **BIOL 370L - Vertebrate Physiology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

Two hours of laboratory studies consisting of an introduction to laboratory techniques used for studying the physiology of vertebrates. Topics include reflexes, special senses, physiology of the heart, and urinalysis.

**Prerequisite:** BIOL 200 and BIOL 200L

**Corequisite:** BIOL 370

## **BIOL 400 - Biostatistics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will cover major principles of biostatistics. Topics include data collection, random variables and probability distributions, descriptive statistics, sampling distributions, one way and two way ANOVA, chi-square tests, multiple comparisons, and regression and correlation using R software.

**Prerequisite:** MATH 130 or higher

## **BIOL 410 - Molecular Biochemistry**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the fundamentals of biochemistry for Biology majors. This course specifically focuses on topics and techniques utilized in modern molecular biology. Topics covered will include information flow within the cell, nucleic acid technologies, proteins, enzymes, and immunochemistry. It is highly recommended

that students co-enroll in BIOL 410L: Molecular Biochemistry Lab.

**Prerequisite:** BIOL 200 and CHEM 161 and CHEM 161L

### **BIOL 410L - Molecular Biochemistry Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

Lab exercises will cover DNA amplification and manipulation, protein purification, western blots, southern blots, and immunoassays. It is highly recommended that students take this course in tandem with BIOL 410: Molecular Biochemistry.

**Prerequisite:** BIOL 410

### **BIOL 420 - Plant Physiology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will cover physiological aspects of plant growth and development. Topics include plant water relations, mineral nutrition, respiration, photosynthesis, xylem and phloem transports, carbohydrates and lipid metabolism, hormones biosynthesis and signal transduction, secondary metabolism, response to pathogens and abiotic stresses.

**Prerequisite:** BIOL 210 and BIOL 210L and BIOL 310 and BIOL 310L

### **BIOL 420L - Plant Physiology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

Lab exercises will cover enzyme assay, influence of light on starch production in photosynthesis, carbon fixation of photosynthesis, light reactions of photosynthesis, plant water relations, transpiration, mineral nutrition, apical dominance, and plant hormones and tissue culture.

**Prerequisite:** BIOL 210 and BIOL 210L and BIOL 310 and BIOL 310L

### **BIOL 430 - Special Problems**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course involving guided scientific research, field studies, or other special projects.

### **BIOL 431 - Population Genetics**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 2

A study of genetic and ecological forces that influence the structure of populations with two (2) hours of laboratory exercises and experimental studies. Students will evaluate the effects of random genetic drifts, mutations, natural selection, inbreeding, assortative mating, molecular evolution and quantitative/ecological genetics on populations. This course is cross listed with FORS 431

**Prerequisite:** BIOL 310

### **BIOL 435 - Plant Molecular Biology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The course will focus on nuclear, chloroplastic, and mitochondrial genomes structure, expression, regulation, and transposable elements. Other topics such as lipids and carbohydrates metabolism, respiration, photosynthesis, hormones biosynthesis and signal transduction, response to pathogens and abiotic stresses, mineral nutrition, senescence, cell death, some aspects of secondary metabolism will also be covered.

**Prerequisite:** BIOL 210 and BIOL 210L and BIOL 310 and BIOL 310L

### **BIOL 440 - Animal Development**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

A study of principles of animal development, including cellular and tissue assembly, embryogenesis, and reconstitutive development, with two (2) hours of laboratory studies consisting of descriptive and experimental studies of the development of representative vertebrate embryos.

**Prerequisite:** BIOL 370 and BIOL 370L

### **BIOL 440L - Animal Development Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

Two hours of laboratory study consisting of descriptive and experimental studies of the development of representative vertebrate embryos.

**Prerequisite:** BIOL 370 and BIOL 370L

**Corequisite:** BIOL 435

### **BIOL 445 - Evolution**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the history of life, evolutionary relationships among organisms, mechanisms of evolution, and speciation.

**Prerequisite:** BIOL 200

### **BIOL 450 - Plant Breeding, Genetics, and Genomics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will cover advances in plant breeding, genetics, and genomics with applications to agriculture. Topics include principles and methods of plant breeding, construction of genetic linkage maps comprised of molecular and other genetic markers, methods for mapping genes underlying phenotypically complex traits, methods of DNA sequencing, physical mapping, genomic libraries construction, comparative genomics, and positional cloning are also discussed.

**Prerequisite:** BIOL 210 and BIOL 210L and BIOL 310 and BIOL 310L

### **BIOL 450L - Plant Breeding, Genetics, and Genomics Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

This lab will cover recent advances in plant breeding, genetics, and genomics with applications to agriculture. Lab exercises include principles and methods for constructing genetic maps comprised of molecular and other genetic markers, methods for mapping genes underlying phenotypically complex traits, methods of DNA sequencing, genomic libraries construction, comparative genomics, and positional cloning.

**Prerequisite:** BIOL 210 and BIOL 210L and BIOL 310 and BIOL 310L

### **BIOL 455 - Histology and Microtechniques**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 2

A study of the microscopic anatomy of cells, tissues, and organs, embracing both morphological and physiological aspects of normal human structures, with two (2) hours of laboratory studies consisting of a introduction to histological techniques employing the use of permanently fixed and stained slides and to the preparation of tissues in a manner suitable for viewing with a compound microscope.

**Prerequisite:** BIOL 370 and BIOL 370L

### **BIOL 470 - Introduction to Entomology**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 2

A study of the evolution, anatomy, development, ecology, and systematics of insects, the role of insects as vectors of diseases; and the influences of insects on history and culture, with two (2) hours of laboratory studies in insect physiology, morphology, ecology, and behavior, and with an assigned project on the identification of local insects.

**Prerequisite:** BIOL 220 and BIOL 200L

### **BIOL 470L - Introduction to Entomology Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

Laboratory studies investigate insect physiology, morphology, ecology, and behavior with an assigned project on the identification of local insects.

**Prerequisite:** BIOL 220 and BIOL 220L

**Corequisite:** BIOL 470

### **BIOL 485 - Introduction to Parasitology**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 2

A study of the biology of parasites, their host relationships, and their importance to humankind, unicellular and multicellular parasites of human being and other animals, with two (2) hours of laboratory studies involving including both unicellular and multicellular parasites of human beings and other animals.

**Prerequisite:** BIOL 200 and BIOL 200L

### **BIOL 490 - Radiation Biology**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

An introductory course for science majors on the nature and use of radioisotopes, with two (2) hours of lab consisting of basic experiments with radioisotopes using the latest instrumentation.

**Prerequisite:** BIOL 150 and MATH 241 and CHEM 211 and CHEM 211L

### **BIOL 499 - Senior Capstone Experience**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

Senior Capstone Experience is a course involving guided scientific research, field studies, and other special assignments. The course serves to give students guided experience in scientific research. Students will be trained to critically review literature, design and conduct experiments, and present their findings in a research paper and presentation.

**Prerequisite:** Senior status or instructor permission

## **Biotechnology**

### **BTCH 210 - Introduction to Biotechnology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the fundamentals of biotechnology and career options emphasizing the types of biotechnology workplaces and their unique requirements. The course includes a study of the use of mathematics, principles of instrumentation used, and analysis of measurements, solutions, centrifugation, spectrophotometry, chromatography, and electrophoresis. The importance of laboratory safety and precision will also be stressed.

### **BTCH 220 - Biotechniques I**

**Credit Hours:** 4

**Lecture Hours:** 1

**Lab Hours:** 3

A laboratory course in basic biotechnology theory, skills, and applications. Includes spectrophotometry, gel filtration chromatography, gel electrophoresis, DNA isolation, Restriction enzyme digestion, genetic engineering, DNA fingerprinting, Southern and Western blot analysis.

**Prerequisite:** BIOL 200 or CHEM 161 and CHEM 161L

### **BTCH 230 - Biotechniques II**

**Credit Hours:** 4

**Lecture Hours:** 1

**Lab Hours:** 3

A laboratory course teaching biotechnology theory, skills, and applications. Includes DNA sequencing, PCR, immunology, cell culture, separation technology, principles of fermentation technology, basic aptitudes for the biotechnology industry.

**Prerequisite:** BTCH 220

### **BTCH 310 - Immunology**

**Credit Hours:** 3

**Lecture Hours:** 3



**Lab Hours:** 0

Examines the components of the immune systems, immune responses, immune effectors, and immune diseases. Methods used in experimental studies of immunology are also introduced.

**Prerequisite:** BIOL 200 (may be taken concurrently)

### **BTCH 320 - NanoBiotechnology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This introductory course is designed to explore applications of nanotechnology to biotechnology. Nanotechnology deals with materials and devices that are or have structures of a size between 1 to 100 nm. Students will be introduced with the nano-based labeling technologies, fabrication strategies, nanofoods and nanotoxicology. Design and working of the nanodevices will also be discussed for applications in therapeutics, agriculture, food and diagnostic areas. A thorough understanding of DNA proteins, carbohydrates and lipid molecules is expected of the students.

**Prerequisite:** BIOL 200

### **BTCH 340 - Toxicology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Introduces the principles of toxicology. This course covers general concepts underlying the absorption, distribution, metabolism, action, and excretion of xenobiotics and the consequences to biological systems following exposure of toxicants, particularly the relevance to human health.

**Prerequisite:** CHEM 141 and CHEM 141L and CHEM 161 and CHEM 161L

### **BTCH 340L - Toxicology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This laboratory course includes two hours of lab study in the main concepts of toxicology through hypothesis-based experiments. Dose-response testing will be introduced as well as other tools used in risk assessment and specific areas of toxicology.

**Corequisite:** BTCH 340

### **BTCH 350 - Advanced Biomolecular Science**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A seminar course which discusses pioneering and cutting edge research in molecular biology, cell biology, and developmental biology. Students will also be introduced to basic tools of biomolecular science.

**Prerequisite:** BIOL 200 and CHEM 141 and CHEM 141L

### **BTCH 360 - Molecular Genetics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the molecular definition of genes, gene sets, and gene expressions, with applications of gene functions to health, disease, and molecular evolution. Methods of gene analysis are studied with special reference to the human genome project and current genomic research.

**Prerequisite:** BIOL 200 or BIOL 310 or consent of the instructor

### **BTCH 360L - Molecular Genetics Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

Lab exercises will consist of recombinant DNA technology to engineer DNA molecules. Key concepts include use of restriction enzymes, propagation using bacteria, and electrophoresis and hybridization techniques to study the structure and function of proteins and nucleic acids.

**Prerequisite:** BIOL 200 and ZOOL 310

**Corequisite:** BTCH 360

### **BTCH 410 - Biotechnology Seminar**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Discusses current topics and current research in biotechnology. Also includes review of the requirements and ethics of the biotechnology workplace and laboratory. Presentations will be required.

### **BTCH 425 - Bioinformatics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Introduces bioinformatics using computational methods to analyze and help interpret the content of large volumes of biological data generated by genome sequencing, DNA micro-arrays, proteomics, metabolites and metabolic fluxes. The computational methods used in this course include analysis of sequences, gene clustering, and pattern recognition/discovery in large scale expression data. Application of bioinformatics to drug design,

and biotechnology will be discussed.

**Prerequisite:** BIOL 200 and (CHEM 220 or CHEM 223)

### **BTCH 435 - Plant Biotechnology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides an introduction to the theory, application, and techniques that are involved in plant cells and tissues and in the micro-propagation process. The course will also focus on the use of techniques in molecular biology in the study, development, and improvement of various plant species.

**Prerequisite:** BIOL 200 or BTCH 230

### **BTCH 435L - Plant Biotechnology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

Lab exercises will consist of stock preparation, sterile techniques, media preparation, aseptic germination, explant isolation, culture initiation, bacterial culture growth, plasmid DNA isolation, plant transformation, DNA isolation and assays, Southern blotting, PCR, and transgenic plant analysis (GUS, GFP assays, etc.).

**Prerequisite:** BIOL 200, BOTN 210, BTCH 230, and ZOO 310

**Corequisite:** BTCH 435

### **BTCH 440 - Tissue Culture and Hybridoma**

**Credit Hours:** 4

**Lecture Hours:** 1

**Lab Hours:** 5

A laboratory course which teaches techniques for the establishment, assay, and maintenance of a variety of types of cells, tissue and hybridoma cultures.

**Prerequisite:** BIOL 200 or BTCH 430

### **BTCH 450 - Problems in Biotechnology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course designed to give students interactive exposure to and experience in biotechnology environments. Credit may be earned (with instructor approval) through one or more of the following: internships or cooperative experiences in biotechnology related sites, research project studying a biotechnology problem/question, research paper on a controversial biotechnology issue or procedure, or approved online or on-

site course from on-site bio-works/biotechnology workplace programs. The course will also include a seminar sequence on workplace issues and ethics supported by on-site interview.

## **BTCH 460 - Introduction to Genomic Science**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course offers an introduction to the emerging field of genomics. The term "genome" describes the structure and content of the genetic make-up of an organism. Genomic science covers the study of the structure, organization, and function of genomes. Students will learn about the human genome project and related genome projects; sequence databases and analysis tools; functional genomics; and systems biology. Class lectures will be supplemented with hands-on laboratory and computer exercises.

## **BTCH 460L - Introduction to Genomic Science Laboratory**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

Lab exercises will consist of genomics and bioinformatics exercises on structural and functional genomics; the human genome project; exploring DNA, RNA, and protein sequencing databases; DNA fingerprinting; genetic and QTL mapping; and epigenetics.

**Corequisite:** BTCH 460

## **BTCH 490 - Research in Biotechnology**

**Credit Hours:** 4  
**Lecture Hours:** 0  
**Lab Hours:** 8

This course gives biotechnology students the opportunity to develop the skills needed to conduct research with minimum supervision. Students learn how to design an experiment, collect scientific information, prepare an outline of procedures, initiate the project, conduct the experiments specified, write a comprehensive scientific report, and make a presentation on the findings of the project. Biotechnology students in their Junior or Senior year will be eligible to enroll in this course. Students will work with a mentor willing to provide guidance and oversee the research project.

## **Chemistry**

### **CHEM 101 - Introduction to Chemical Principles**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

A one semester course directed at non-chemistry majors that provides an introduction to general chemistry, and the fundamentals of biological chemistry. The course with its laboratory activities introduces states of matter, atoms and bonding, chemical reactions, stoichiometry, mole concept, gas laws, pH and acid-base chemistry, and nuclear chemistry.

**Prerequisite:** MATH 123 or MATH 129

### **CHEM 102 - Introduction to Organic and Biochemistry**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

A one semester course directed at non-chemistry majors that provides an introduction to organic chemistry and principles of biochemistry. This course with its laboratory activities, introduces hydrocarbons, organic functional groups, amino acids, nucleic acids, protein, fat, carbohydrate, and discusses the chemistry involved in metabolic pathways and energy production.

**Prerequisite:** CHEM 101

### **CHEM 105 - Introduction to Chemical Principles Lecture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This one-semester course is designed for non-chemistry majors as an introduction to basic chemistry principles. The course introduces states of matters, atoms and bonding, chemical reactions, stoichiometry, mole concept, gas laws, pH and acid-based chemistry, and nuclear chemistry.

**Prerequisite:** Prerequisite: MATH 123 or higher

### **CHEM 105L - Introduction to Chemical Principles Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This one-semester laboratory course is designed for non-chemistry majors. It introduces how to safely and effectively conduct independent laboratory experiments, review data and construct graphs, physical and chemical properties, law of conservation of energy, electronic configuration of elements, molecular geometry, types of chemical bonds, chemical reactions, concentrations of solutions (e.g. molarity), and ideal gas law.

**Prerequisite:** MATH 123 or higher

### **CHEM 106 - Introduction to Organic and Biochemistry Lecture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed for non-chemistry majors as an introduction to organic chemistry and principles of biochemistry. It introduces hydrocarbons, organic functional groups, amino acids, nucleic acids, protein, fat, carbohydrate, and discusses the chemistry involved in metabolic pathways and energy production.

**Prerequisite:** CHEM 105 and CHEM 105L

## **CHEM 106L - Introduction to Organic and Biochemistry Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This one-semester laboratory course is designed for non-chemistry majors. It reinforces the fundamental facts, theories, and laws of chemistry through laboratory experiences. Laboratory activities introduce synthesis and reactions of hydrocarbons, organic functional groups, amino acids, nucleic acids, proteins, fats, and carbohydrates. Safe laboratory techniques and the writing of quality laboratory reports are emphasized. Laboratory component of CHEM 106.

**Prerequisite:** CHEM 105 and CHEM 105L

## **CHEM 120 - The Atom and Bonding**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A non-mathematical study of atomic structure, elementary nuclear theory, the periodic table, bonding, valence, hybridization, and molecular and crystal structure.

**Prerequisite:** MATH 123 (may be taken concurrently)

**Corequisite:** MATH 123

## **CHEM 130 - Stoichiometry**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 3

The study of stoichiometry, gas laws, thermochemistry, and the balancing of chemical equations, with laboratory activities investigating mole-mass relationships, gas laws, and measurement of thermochemical phenomena.

**Prerequisite:** CHEM 120 and MATH 123

## **CHEM 141 - General Chemistry I Lecture**

**Credit Hours:** 3

**Lecture Hours:** 4

**Lab Hours:** 0

The first course of a two semester sequence in introductory chemistry that studies measurement and uncertainty,

atomic structure, nomenclature, stoichiometry, types of reactions, solution concentrations, gas laws, thermochemistry, electronic configuration, periodic properties of the elements, and chemical bonding (including molecular geometries). The course includes a mandatory one-hour non-credit recitation period per week.

**Prerequisite:** MATH 129 or MATH 131

### **CHEM 141L - General Chemistry I Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

This laboratory course that accompanies CHEM 141 introduces laboratory techniques, physical properties, stoichiometry, gas laws, and types of chemical reactions. Safe laboratory techniques and the writing of quality laboratory reports will be emphasized.

**Prerequisite:** MATH 129 or MATH 131

### **CHEM 161 - General Chemistry II Lecture**

**Credit Hours:** 3

**Lecture Hours:** 4

**Lab Hours:** 0

The second part of a two semester (one year) course in college level chemistry. The course investigates kinetics, chemical equilibria, acid-base equilibria, solubility equilibria, thermodynamics, and electrochemistry. The course has an additional mandatory one-hour non-credit recitation period per week.

**Prerequisite:** CHEM 141 and CHEM 141L and MATH 130 or MATH 131

### **CHEM 161L - General Chemistry II Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

This continuation of the General Chemistry I Laboratory (CHEM 141L) investigates solution properties, kinetics, chemical equilibria, acid-base equilibria, solubility equilibria, thermodynamics, electrochemistry, and qualitative and elementary quantitative analysis.

**Prerequisite:** CHEM 141 and CHEM 141L and MATH 130 or MATH 131

### **CHEM 200 - Chemical Literature: Search and Analysis**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

This course introduces the methods of online chemical literature search and provides training on how to critically evaluate scientific literature. Students will research a relatively narrow topic under the guidance of a

faculty mentor and present the topic through oral presentations and written literature reviews.

**Prerequisite:** CHEM 161 with a C or higher

## **CHEM 205 - Chemical Process Principles**

**Credit Hours:** 4

**Lecture Hours:** 4

**Lab Hours:** 0

An introduction to material and energy balance principles for chemical systems. Topics include fluid density, flow rate, chemical composition variables, pressure, and temperature. Students will be able to approach problems from a chemical engineering standpoint, including problems involving recycle, bypass, and reactive processes.

**Prerequisite:** Grade of C or better in MATH 241, PHYS 211, and CHEM 211 and CHEM 211L or CHEM 223 and CHEM 223L

## **CHEM 211 - Analytical Chemistry Lecture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A one semester course that investigates the principles of quantitative analytical chemistry and how these principles are applied in chemistry and related disciplines. Lecture and laboratory concentrate on tools, experimental error, statistics, quality assurance, calibration methods, systematic treatment of equilibrium, acid-base titration, EDTA titration, redox titration, gravimetric analysis, introduction to electroanalytical and spectrometric methods, concepts of analytical separation and application of Excel in analytical chemistry.

**Prerequisite:** CHEM 161 and CHEM 161L

## **CHEM 211L - Analytical Chemistry Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

A one-semester analytical chemistry laboratory course that investigates the principles of quantitative analytical chemistry and how the principles and techniques of classical methods (e.g., gravimetric, titrimetric, and redox) of analysis and some of the most common instrumental methods (e.g., spectrometric and separation techniques) are applied in chemistry and related disciplines. Laboratory experimentations will involve the use of these analytical techniques in the determination of substances in a variety of sample matrices.

**Prerequisite:** CHEM 161 and CHEM 161L

## **CHEM 220 - Principle of Organic Chemistry**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 3



A one-semester course in which the chemistry of the hydrocarbons (including aromatics) and monofunctional alkyl halides, alcohols, ethers, aldehydes, ketones, carboxylic acids (and their derivatives), and amines is surveyed. The course will conclude with an introduction to the chemistry of polyfunctional biomolecules. The laboratory will consist of the techniques used in the purification, isolation, and identification by physical properties of organic compounds and conclude with the utilization of these techniques in the preparation of organic compounds.

### **CHEM 223 - Organic Chemistry I Lecture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the nomenclature, synthesis, reactions and reaction mechanisms, and spectroscopy of hydrocarbons alkylhalides and alcohols, with laboratory exercises introducing techniques of isolation, purification, characterization, and synthetic methods in organic chemistry.

**Prerequisite:** CHEM 161 and CHEM 161L

### **CHEM 223L - Organic Chemistry I Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

A study of laboratory exercises introducing techniques in isolation, purification, characterization, and synthetic methods in organic chemistry.

**Prerequisite:** CHEM 161 and CHEM 161L

### **CHEM 225 - Organic Chemistry II Lecture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course investigating the nomenclature, synthesis, reactions and reaction mechanisms, and methods for analysis of functionally substituted organic compounds, with laboratory activities extending the topics started in CHEM 223 and emphasizing syntheses and technical writing.

**Prerequisite:** CHEM 223 and CHEM 223L

### **CHEM 225L - Organic Chemistry II Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

A course investigating the nomenclature, synthesis, reactions and reaction mechanism, and methods for analysis

of functionally substituted organic compounds with laboratory activities extending the topics started in CHEM 223 and emphasizing syntheses and technical writing.

**Prerequisite:** CHEM 223 and CHEM 223L

## **CHEM 227 - Chemical Process Systems**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Introduction of mathematical and computational tools for analyzing chemical engineering problems. Sequential modular and equation-based simulation of steady-state chemical processes using advanced spreadsheet methods and multivariate root-finding algorithms. Material and energy balances on transient processes and their solution using analytical and numerical methods. Introduction to microscopic material and energy balances using the "shell balance" approach to develop the governing differential equations. Solutions to steady-state boundary value problems in heat conduction and Fickian diffusion.

**Prerequisite:** Grade of C or better in CHEM 205 and MATH 242

**Corequisite:** MATH 331

## **CHEM 301 - Introduction to Polymer Science**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 3

This course covers general concepts about polymeric systems including synthesis, characterization, structure development, and bulk properties. Applications of polymers including fibers and composites are also covered. This course is cross listed with MATS 301.

**Prerequisite:** MATS 204 or (CHEM 223 and CHEM 223L)

## **CHEM 310 - Instrumental Analysis**

**Credit Hours:** 4

**Lecture Hours:** 2

**Lab Hours:** 4

Principles of operation and application of modern chemical instrumentation used in analytical chemistry. Topics include statistics, spectrophotometry, mass spectrometry, Raman spectroscopy, nuclear magnetic resonance, electroanalytical, and separation science. Reinforcement of these techniques by practical experience, aspects of sample preparation, standardization, data acquisition and interpretation.

**Prerequisite:** CHEM 211 and CHEM 211L

## **CHEM 311 - Instrumental Analysis Lecture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

One-semester lecture course that introduces modern instrumental methods on qualitative and quantitative analytical chemistry. Topics include atomic and molecular spectroscopy, chemical separations methods, and electroanalytical chemistry used in biological, materials, environmental, and chemical systems; major to trace components with accuracy and precision; various physical states of matter; chemical speciation.

**Prerequisite:** CHEM 211 and CHEM 211L with a grade of C or higher

### **CHEM 311L - Instrumental Analysis Laboratory**

**Credit Hours:** 2

**Lecture Hours:** 0

**Lab Hours:** 4

One-semester laboratory course designed to provide hands-on experience with modern chemical instrumentation for qualitative and quantitative measurements. Experiments include atomic and molecular spectroscopy, chemical separations methods, and electroanalytical chemistry.

**Prerequisite:** CHEM 211 and CHEM 211L with a grade of C or higher

### **CHEM 313 - Physical Chemistry I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The first course in a two-semester sequence of calculus-based physical chemistry that investigates the properties of real gases, the three laws of thermodynamics, phase equilibria for single and binary systems, chemical equilibrium, electrochemistry, the transport properties of matter, the kinetic theory, and the application and derivation of integrated rate laws.

**Prerequisite:** CHEM 211 and CHEM 211L and MATH 241 and MATH 242 and PHYS 125 and PHYS 125L and PHYS 126 and PHYS 126L (may be taken concurrently)

### **CHEM 313L - Physical Chemistry I Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

A survey of the experimental methods of physical chemistry to study calorimetry, thermodynamics, chemical and phase equilibria, chemical kinetics, and colligative and transport properties for binary systems.

**Prerequisite:** CHEM 313

**Corequisite:** CHEM 313

### **CHEM 314 - Physical Chemistry II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The second course in a two-semester sequence of calculus-based physical chemistry, that provides an introduction to quantum mechanics and its applications to atomic and molecular structure and spectroscopy and investigates statistical mechanics as a bridge between microscopic and macroscopic worlds. Students will also be exposed to molecular reaction dynamics, including collision theory and activated-complex theory.

**Prerequisite:** CHEM 313

### **CHEM 314L - Physical Chemistry II Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

This course is a survey of the experimental methods of physical chemistry to study atomic and molecular spectroscopy, molecular structure, chemical dynamics, and the chemical and physical properties of nanoparticles, as well as an introduction to computational chemistry methods.

**Prerequisite:** CHEM 313 and CHEM 313L with a C or higher

**Corequisite:** CHEM 314

### **CHEM 315 - Physical Chemistry for Life Sciences**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course develops the basic principles of physical chemistry in a one-semester calculus based course for and applied to life sciences. The particular areas covered include thermodynamics, chemical kinetics, and quantum mechanics. The course will focus on principles and their application to the fundamental problems of the biological sciences. The course is directed to students majoring in biology, biochemistry, pre-medical, pre-pharmacy, and students in general.

**Prerequisite:** A grade of "C" or higher in CHEM 223 and CHEM 223L and PHYS 126 and PHYS 126L and MATH 241

### **CHEM 321 - Thermodynamics and Equilibrium**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A calculus-based study of the three laws of thermodynamics with derivation of equilibrium constants from chemical potential, Raoult's Law, the phase rule, and equilibrium electrochemistry including the Debye-Hueckle theory.

**Prerequisite:** CHEM 211 and CHEM 211L and MATH 241 and MATH 242 and PHYS 125 and PHYS 125L and PHYS 122 (may be taken concurrently)

### **CHEM 322 - Quantum Mechanics and Spectroscopy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course investigating the wave-particle dilemma as resolved by the Bohr atom, Dirac wave mechanics, and Eigen values of the Schroedinger equation, with applications to atomic and molecular vibrational, rotational, and electronic spectra.

**Prerequisite:** CHEM 211 and CHEM 211L and MATH 241 and MATH 242 and PHYS 122

### **CHEM 324 - Kinetics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of change, including the transport properties of gases and liquids and electrical conduction. Starting with the kinetic theory of gases, the absolute rate theory and the collision theory are derived. Other topics include rates; mechanisms including complex mechanisms (consecutive, chain, branching, autocatalytic, and polymerizing); and the half-life of chemical reactions. Students will also be exposed to the steady-state approximation, and the study of the Arrhenius theory for calculation of activation parameters.

**Prerequisite:** CHEM 211 and CHEM 211L and MATH 241 and MATH 242 and PHYS 122

### **CHEM 325 - Physical Chemistry Laboratory**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 6

Laboratory investigations involving the determination of enthalpies, equilibrium constants, molecular mass, electromotive force, entropy, reaction rates and activation parameters, solution phenomena, conductance, and the gathering and quantitative interpretation of spectra.

**Prerequisite:** CHEM 313

### **CHEM 330 - Principles of Inorganic Chemistry**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A focus on trends of inorganic reactions, structure, and properties of the elements and their compounds in relation to their position in the periodic table. Students will be able to rationalize and interpret most inorganic properties using qualitative models that are based on quantum mechanics, such as the properties of atomic orbitals and their use to form molecular orbitals. Modern organometallic compounds will be introduced, and the environmental impact of inorganic chemistry will be discussed. This course will consist of lecture and discussion sessions.

**Prerequisite:** CHEM 161 and CHEM 161L

## **CHEM 350 - Introduction to Undergraduate Research**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

This course is an introduction to the methods of planning and executing a research project, including safety and ethical considerations, primary literature review, and presentation of a research plan. The student will work with a departmental faculty mentor to begin a research project, which they will continue in CHEM 450.

**Prerequisite:** Grade of C or higher in CHEM 200

## **CHEM 390 - Research I**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

A detailed examination of topics and studies in chemistry in preparation for beginning a formal research project to be conducted in CHEM 491 and CHEM 499, culminating in a written and oral report.

## **CHEM 398 - Pre-Health Internship**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

This course exposes students to the health sciences through shadowing and being mentored by a practicing healthcare professional in the community. The course offers students an opportunity to gain hands on experience, build community contacts, and acquire the complementary knowledge and skills needed for a future career in the health sciences.

**Prerequisite:** CHEM 311 and CHEM 311L and declared Chemistry major or Instructor approval

## **CHEM 399 - Pre-Pharmacy Internship**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

This course exposes students to the pharmacy field through shadowing and being mentored by a pharmacist in the community. The course offers students an opportunity to gain hands on experience, build community contacts, and acquire the complementary knowledge and skills needed for a future career as a pharmacist. Course taken for pass/ fail credit.

**Prerequisite:** CHEM 311 and CHEM 311L and declared Chemistry major or Instructor approval

## **CHEM 400 - Computational Chemistry**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 2

This class introduces students to different computational methods and models to study electronic structure of molecules and materials. The topics that will be covered include Hartree-Fock, density functional theory, Moller-Plesset perturbation theory, coupled cluster and semi-empirical methods such as Huckel and expended Huckel calculations. The laboratory activities include computational experiments to illustrate the applicability of computational methods to chemistry, bio-sciences, and materials chemistry. These experiments will be carried out on Linux and UNIX-based workstations.

**Prerequisite:** CHEM 225 and CHEM 225L and CHEM 314

## **CHEM 421 - Inorganic Chemistry**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An advanced study of descriptive and synthetic inorganic chemistry, structure, and bonding.

**Prerequisite:** CHEM 225 and CHEM 225L

## **CHEM 422 - Bioanalytical Chemistry**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 3

An advanced analytical chemistry course that involves the separation, detection, identification, and quantification of biological samples, such as proteins, peptides, DNA, and drugs. Topics include spectroscopy immunoassays, chromatography, electrophoresis, mass spectroscopy, biosensors, bioassays, DNA, and protein sequencing.

**Prerequisite:** CHEM 211 and CHEM 211L and CHEM 225 and CHEM 225L

## **CHEM 423 - Nanoscience and Nanotechnology**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 3

A comprehensive introduction to the rapidly developing field of nanoscience and nanotechnology. Topics cover the properties, synthesis, and characterization of nanomaterials and their applications to nanobiotechnology, nanomedicine, and nanoelectronics, as well as laboratory activities involving the synthesis and characterization of novel nanostructures.

**Prerequisite:** (CHEM 211 and CHEM 211L and PHYS 126 and PHYS 126L ) or (MATH 260 and PHYS 126 and PHYS 126L )

## **CHEM 424 - Separation Science**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 3

The course introduces the modern physical and chemical techniques used for analytical separations. The primary theme of chromatography, includes gas chromatography, high performance liquid chromatography, and supercritical fluid chromatography. Other important analytical separation techniques to be discussed include capillary electrophoresis, field-flow fractionation, size exclusion chromatography, and chromatographic measurements of physicochemical, biochemical, and geochemical processes.

**Prerequisite:** CHEM 211 and CHEM 211L

## **CHEM 425 - Bioinorganic Chemistry**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will provide students with a general overview of the role of elements and inorganic compounds in biological systems. Fundamentals of biochemistry and inorganic chemistry are included. Topics include enzyme kinetics, electron-transfer processes, ligand-field theory, and metal trafficking and exchange in proteins.

**Prerequisite:** CHEM 225 and CHEM 225L

## **CHEM 426 - Medicinal Chemistry**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an in-depth look at how pharmacologically active molecules are designed to treat human diseases. Topics covered include drug discovery, molecular design, organic synthesis of drug molecules, structure-activity relationships, drug interactions with receptors, enzyme inhibition and inactivation, pharmacokinetics, case histories, patents, and ethics. This course is designed for students who are considering careers in medicinal chemistry and pharmacological research, the pharmaceutical industry, pharmacy, and medicine.

**Prerequisite:** CHEM 225 and CHEM 225L

## **CHEM 430 - Special Topics in Chemistry**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An advanced, structured investigation in one of the specialty areas of chemistry.

## **CHEM 431 - Qualitative Organic Analysis**



**Credit Hours:** 3  
**Lecture Hours:** 1  
**Lab Hours:** 4

An advanced introduction to the principles of classification and identification of organic compounds by traditional and modern analytic techniques.

**Prerequisite:** CHEM 223 and CHEM 223L

### **CHEM 450 - Undergraduate Research**

**Credit Hours:** 2  
**Lecture Hours:** 0  
**Lab Hours:** 6

This course requires individual research under the mentorship of a departmental faculty member. Using one or more methods, students will work on an original research project and collect original data to contribute to problem solving in chemistry or related fields. Emphasis will be placed on the process of scientific research, including collection, assessment, interpretation, and presentation of data. Students will submit a written final report of the work carried out and will present a seminar on his/ her research.

**Prerequisite:** Grade of C or higher in CHEM 350

### **CHEM 491 - Research II**

**Credit Hours:** 2  
**Lecture Hours:** 0  
**Lab Hours:** 6

Active, original research under one or more of the chemistry faculty.

**Prerequisite:** CHEM 390

### **CHEM 499 - Chemistry Capstone**

**Credit Hours:** 3  
**Lecture Hours:** 1  
**Lab Hours:** 5

A senior-level capstone course that provides detailed training in scientific ethics, literature review, research planning and practice, and oral/ written presentations. In this student-centered, self-directed course, students pursue focused research through active learning. This course requires students to recall what they learned in previous courses and to select the most appropriate methods and analytical techniques to complete the project. Students write a research thesis and present their research findings to a group of fellow chemists and chemistry faculty in a professional manner.

**Prerequisite:** Grade of C or above in CHEM 311 and CHEM 311L or instructor approval

## **Chinese**

### **CHIN 110 - Elementary Chinese I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces the basics of Chinese language - the pinyin, characters and grammar. Students are expected to learn about 150 single characters and 200 compound words of modern standard Chinese. The course emphasizes speaking and reading as well as writing.

## **CHIN 120 - Elementary Chinese II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The course is designed to build up basic vocabulary for conversation, reading, and writing, and improve students' comprehension in speaking, listening, reading, and writing Chinese.

**Prerequisite:** CHIN 110

## **CHIN 210 - Intermediate Chinese I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The course is designed to enhance students' abilities in speaking, reading, and writing Chinese. Students will not only learn complicated conversations but also use vocabularies and sentence structures to discuss social and political issues. They will also learn to write narratives and short essays.

**Prerequisite:** CHIN 120

## **CHIN 220 - Intermediate Chinese II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to continue to enhance students' abilities in speaking, reading, and writing Chinese. Students will not only learn complicated conversations but also use vocabularies and sentence structures to discuss social and political issues. They will also learn to write narratives and short essays.

**Prerequisite:** CHIN 210

## **CHIN 310 - Advanced Chinese I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to further improve the students' reading and writing abilities as well as spoken ability in

Chinese. Students taking the course will be exposed to essays, prose, movies, short novels, and poems in their original forms either in classical Chinese or modern Chinese. They will discuss these readings in class and then write their argumentation papers in Chinese.

**Prerequisite:** CHIN 220

### **CHIN 330 - Classical Chinese Literature**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This survey course examines the long tradition of Chinese literature, from its genesis to the mid-19th century before it was transformed under the influence from the West. We will look into the diversity and richness of this tradition while tracing its dramatic historical changes in a time period of nearly three thousand years. In addition to studying prose and poetry, we will also consider historical content as well as social and philosophical writings. Students are expected not just to learn the long and rich tradition but, more importantly, to reconstruct it through the texts they are to read and papers they are to write. All course materials are in English.

### **CHIN 331 - Modern Chinese Language**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

In this survey course, students will read key literary texts by important writers in modern Chinese writers, including Lu Xun, Yu Dafu, Ding Ling (Ting Ling), Shen Congwen (Shen Tsung-wen), Zhang Ailing (Eileen Chang), and Wang Anyi. The course explores issues of nationalism, modernity and globalization as represented in Chinese Literature. By discussing these issues in literary contexts, students will gain a better understanding of cultural production and social change in modern Chinese history. All the texts are in English.

### **CHIN 332 - Cinema and Contemporary China**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course examines the technical, aesthetic, economical and historical interactions between contemporary Chinese cinema and contemporary Chinese society. Students will see the representative film works by contemporary Chinese directors from mainland China, Hong Kong, and Taiwan, and analyze the various cinematic styles in relation to the social and historical changes in which the films were made. They will also discuss such issues as modernity, nationalism, and globalization that the Chinese people have dealt with in contemporary China. For students learning the Chinese language, this course will also offer many authentic linguistic materials. All texts are in English and/or with English

## **Community Health**

### **COHE 200 - Introduction to Community Health**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An overview of complex social factors influencing community health and community resources for the prevention and elimination of community health problems. Special emphasis is placed on citizens' responsibilities and participation at the local, state, national, and international levels. Twelve hours of field experience are required.

### **COHE 270 - Consumer Health**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

The selection and use of health products and services within the free enterprise system. Increases awareness of consumer interests and fraud in the health system. Twelve hours of field experience are required.

### **COHE 330 - Health Behavior and Counseling**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A survey of the fields of health counseling with an emphasis on basic skills and knowledge of techniques to promote individual and group behavior change for well-being. The course is both didactic (theories) and experiential (role-playing in class).

### **COHE 360 - Communication in Health**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

This course focuses on different forms of conveying health messages/ information using a variety of media. This course will utilize educational materials to design and produce health messages appropriate for use with different groups and/ or individuals.

### **COHE 425 - Community Health Organizing**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

Focuses upon the principles and practices of organizing and mobilizing a community for constructive health action. Selected case studies are used as specific and practical examples. Twelve hours of field experience are required.

## **COHE 426 - Program Planning and Evaluation in Health**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Intended for those planning to work in public health agencies. Emphasizes the need for planning, current settings for public health education, techniques used to identify health education components of health programs, program planning techniques, and evaluation methodologies. Twelve hours of field experience are required.

**Prerequisite:** COHE 200 and COHE 360 and COHE 270

## **COHE 460 - Aging**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An overview of current understanding of the biological, behavioral, cognitive, social, and cultural aspects of the aging process. This course will also emphasize the implications of the health and physical aspects associated with aging.

## **COHE 470 - Seminar in Community Health**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The course focuses on providing upper class students the opportunity to integrate and synthesize knowledge and skills into the discrete elements of community health education including ideas, concepts, methods, and techniques.

**Prerequisite:** COHE 200 and COHE 360 and COHE 270

## **COHE 480 - Field Work in Community Health Education**

**Credit Hours:** 10  
**Lecture Hours:** 10  
**Lab Hours:** 0

Experience in community health agency where opportunities are provided for observing and performing a variety of community health education functions under the supervision of professional public health educator and university personnel. Designed for seniors in community health education and other qualified students with permission of instructor. May be repeated for credit to maximum of ten hours.

**Prerequisite:** COHE 200 and COHE 360 and COHE 270

## **Communication**

## **COMM 201 - Communication Activities**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 3

Practical supervised training through participation in departmental performance laboratories. Up to three hours of credit in COMM 201 can be applied to the 18 hour credit concentration in Mass Communication. Additional COMM 201 credit will be accepted as free electives

## **COMM 205 - Introduction to Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The study of communication in expediting learning, affecting social interaction and effective change, and an exploration of the components of interpersonal, small group, public and organizational communication.

## **COMM 210 - Introduction to Mass Communications**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of the role of mass media in modern society. The process, functions, responsibility and effects of various forms of mass communication will be analyzed.

## **COMM 211 - Phonetics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the production and transcription of phonetic symbols used in the International Phonetic Alphabet, with attention to general American speech and Career speech.

**Prerequisite:** SPEE 200

## **COMM 212 - Voice and Diction**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of proper breathing for good voice production, pause, stress, intonation, and control of resonance. Emphasis is placed on improving phonation, enunciation, and articulation.

**Prerequisite:** SPEE 200

## **COMM 215 - Fundamentals of Journalism**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course presents the history and development of American journalism from colonial times to the present while focusing on its relationship to technical, political, social, and technological changes in America. Specific attention will be paid to events resulting in constraints to the media, attitudes of government toward the media, changes influenced by journalists and trends in journalism.

## **COMM 220 - Film & Video Appreciation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Examination of basic film and video media techniques and basic methods of analysis. Emphasis on understanding and appreciating film and video media as major forms of communication.

## **COMM 230 - News Reporting and Writing I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to help students develop their niche for news reporting and writing. Students will be exposed to news gathering practices, write and report the news, and learn in unique styles of print as well as on-line journalism. It will explore the constant writing of news stories and emphasizes policy, principles, and concepts basic to the field of journalism.

## **COMM 235 - Public Relations/Advertising**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an introduction to the basic principles of public relations and advertising. Student will study the history and trends of the public relations and advertising industry focusing on principles, tools, techniques, practices, and ethics. Accepted standards used in public relations and advertising will be presented.

## **COMM 240 - News Editing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will focus on advanced and specialized public life news reporting for the print media. Employing sophisticated methods, including public records searches, computer-assisted reporting, and archival research, students will develop and polish their reporting and gain a greater understanding of how news is constructed in relation to institutions and people in public life. Students will learn the basis for crafting news stories that convey meaning as well as fact, and insight to the readers.

### **COMM 245 - Introduction to Audio Production**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the planning and production of audio in mass media, including practical studies of the uses of sound and the planning, scripting, rehearsing, and directing process of audio production.

### **COMM 250 - Presentation Technologies**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course offering students a detailed understanding of and specialized skills in the proper use of different presentation technologies. Students will be exposed to a wide variety of presentational media and will develop a critical awareness of these new media and their place in society. The overall goal is for students to learn how presentational technologies work, why they have become so instrumental in public communications, and when they are appropriate as a presentational strategy.

**Prerequisite:** SPEE 200

### **COMM 255 - Introduction to Video Production**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the elements of television production, including cameras, audio, staging, lighting, graphics, recording, and special effects.

### **COMM 260 - Interpersonal Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the process of communication, including functions, models, and theories, with an emphasis on self-disclosure, empathic listening, relational communication, and conflict management.

**Prerequisite:** COMM 205



## **COMM 270 - Lighting for TV and Film**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This class demonstrates advanced lighting techniques for digital video productions. Using a variety of projects and location settings, students will use lights, filters, in-camera special effects, and mood setting techniques to enhance shot composition and camera movement. Topics also include operating lights, setting a scene, use of light meters and light exposure analysis, and use of lighting for special effects.

## **COMM 275 - Crisis Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines the nature of crises in organizations and the role of communication in managing and minimizing such crises. This course will discuss types of crises, risk evaluation, crisis preparation, communication crisis planning, media management and crisis mitigation strategies, and post-crisis response. Students will create a real-world crisis communication plan that will be tested and evaluated.

**Prerequisite:** COMM 205 and COMM 210 or with permission of instructor

## **COMM 290 - Nonverbal Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an in-depth study of physical appearance, gesture and movement, facial expressions, eye contact, touch, use of time, and voice to communicate nonverbally in a variety of interpersonal relationships across personal, professional, public, and cultural contexts.

**Prerequisite:** COMM 205 and COMM 210 or with permission of instructor

## **COMM 295 - Digital Editing for Audio and Video Production**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course serves as an introduction to the art of video post-production editing. We explore the theory and practice of various editing styles in order to gain a better understanding of how stories are constructed in the editing room. Through demonstrations and hands-on experience, students learn advanced editing techniques with an in-depth examination of industry software. Strong emphasis is placed on post-production techniques that improve the sound and image quality of the videos.

## **COMM 300 - Magazine and Feature Writing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course works within journalistic standards to focus on the skills needed to write topical, in-depth, human interest stories. Students learn to gather materials through interviews, research, and observation while cultivating their own writer's "voice" for the creation of comprehensive articles for publication in newspapers, magazines, Internet sites, and other media. Students will examine the discursive implications of magazine and feature writing, newspaper, radio, computer, polling, and advertising technologies. Students will assume a concrete understanding of editorial, sidebars, graphs, charts, and other supporting elements that enrich a story.

## **COMM 310 - News Reporting and Writing II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course further develops research, organization, and composition skills for the production of professional-quality articles for publication in newspapers, magazines, Internet sites, and other media. The course will introduce students to the field of investigative journalism, including career prospects, ethical concerns, basic interviewing techniques, finding and following documented sources, and writing stories for maximum interest and impact. Students will practice organizing materials and writing with clarity and precision.

**Prerequisite:** COMM 230

## **COMM 311 - Public Speaking**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the principles of effective public communication, focusing on speech preparation and design, audience analysis, and speech presentation in a variety of public situations.

**Prerequisite:** SPEE 200

## **COMM 315 - Computer Mediated Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A class designed to initiate students to the field of study known as computer-mediated communication (CMC). Computers, their networks, and the content on them have significantly influenced our political, religious, commercial, personal, and professional lives. Students will explore both qualitative and quantitative scholarship that focuses upon the implications of online media in these settings.

**Prerequisite:** COMM 205

## **COMM 321 - Group Discussion**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

Training and practice in the effective exchange of opinions on selected topics, with emphasis on studying group interactions during the process of discussion and observing the effects of parliamentary procedures on the conduct of groups in discussion.

**Prerequisite:** COMM 205

### **COMM 330 - Writing For Mass Media**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A survey of the various forms of written expression in mass media.

**Prerequisite:** COMM 205

### **COMM 332 - Problems in Media Communication**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

This course will examine contemporary problems of mediated communication, including gatekeeping, propaganda, agenda setting, cultural transmission, regulation and censorship, regulation and censorship, and commercialization. Students will examine the discursive implications of newspaper, radio, television, film, computer, polling, and advertising technologies. Students will assume a rhetorical perspective to evaluate the role of these technologies in shaping public opinion and our perceptions of reality.

**Prerequisite:** COMM 210

### **COMM 333 - History of Horror in Media**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

This course will serve as an introduction to major films within the horror genre from the 1930s universal monster films to modern slasher films and psychological thrillers. Students will consider how the horror genre has served as a barometer for cultural anxiety and social tension at significant historic moments. Additionally, students will focus on the aesthetic choices and filmmaking techniques that reveal both continuity and growth within the genre. Students will apply theoretical knowledge derived in this class toward a mini-production focused within the horror genre.

### **COMM 335 - Media, Religion, and Spirituality**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will examine the intersection between media and religion. The course will focus on two major areas: religion in media, including news coverage of religion and religious content in fictional media; and media in religion, how religious individuals and groups use media in their religious belief and practice. Through examination of this intersection, students will explore broader concepts, such as culture and identity.

## **COMM 340 - Community Journalism**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will examine community journalism as a defined niche within mainstream journalism. It is designed to give students greater insight into the tools and skills needed to work at the community level. Course explores different forms of community journalism from small-town newspapers to new ideas of community, including virtual communities. This course will help students use traditional and new media tools to find sources and to report, gather, and disseminate stories of interest to specific audiences. This course will also introduce students to citizen journalism and how to interact with and leverage citizen journalists.

## **COMM 341 - Health Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an overview of the various areas of study within the health communication field. The class explores multiple communication issues relevant to health, including language, information processing, the social construction of health and illness, doctor-patient communication, and the relationship between professionals, patients, friends, families, and cultural institutions. In addition, the class has a strong practical aspect; emphasis is placed on assignments that require students to engage in projects involving the application of theoretical knowledge acquired during lectures and individual readings.

## **COMM 342 - Health Communication Campaigns**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides a hands-on introduction to the theories and practices of mediated health communication campaigns. Students learn the fundamental aspects of designing, implementing, and evaluating health campaigns, defined as systematic efforts to promote healthy behaviors and prevent disease, and to influence public opinion and policymaking about health and healthcare issues. Essential considerations for designing and implementing effective health campaigns are presented, including health behavior change theories; audience, message, and channel factors; the health and medical portrayals in news and entertainment media; and the role of PR in health communication campaigns.

**Prerequisite:** COMM 341 or instructor approval

**Corequisite:** COMM 250

## **COMM 350 - Telecommunications Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course exploring management functions in a telecommunications environment. Economic support patterns, programming, promotion, advertising, determination of community needs and facility operations will be covered.

**Prerequisite:** COMM 210

## **COMM 355 - Multi Camera Studio Production**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course encompasses the processes, equipment, facilities, and skills employed in television studio and multicamera production. Emphasis is placed on the operation of cameras, switchers and related equipment; the responsibilities of the production crew; and the direction of live-switched, multicamera productions.

## **COMM 357 - Gender and Communication**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is an intensive examination of topics and issues that come under the label of communication and gender. Topics range from wage inequality to gender symmetry, gender difference, sexual orientations, gendered patterns of communication, gender socialization, violence and gender, and social policies on gender.

**Prerequisite:** COMM 205

## **COMM 365 - Speechwriting**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A comprehensive look at the history of and current trends in speechwriting in America with an emphasis on persuasion and the strategic employment of language. Students will learn and practice the art of effective speechmaking by studying both effective and inadequate models of oratory. Students will learn how to prepare various types of speeches for a variety of audiences and rhetorical situations, including how to manage new technologies in those situations.

**Prerequisite:** SPEE 200 and ENGL 120

## **COMM 367 - Electronic Broadcast Media Programming**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of the role of programming in electronic broadcast media in modern society and the analysis of the process, functions, responsibility, and effects of various forms of electronic broadcast media programming.  
**Prerequisite:** COMM 210

## **COMM 370 - Communication Practicum**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A practical study of an area of communications, with reading assignments supplementing course activities. Repeatable one time for Mass Communication Concentration elective credit.

## **COMM 375 - Organizational Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Organizational Communication provides the student with a background in theory and research about communication within organizations. The course focuses on interpersonal communication within organizations, small group communication within organizations, leadership and management within organizations and communication conflict within organizations.  
**Prerequisite:** COMM 205 and COMM 210

## **COMM 380 - Non-Broadcast Telecommunications Systems**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the use of telecommunications media in corporate, industrial, medical, educational, military, governmental and public service institutions.  
**Prerequisite:** COMM 210

## **COMM 385 - International Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course surveys the communication systems of the world focusing on major newspaper networks, broadcasting and film consortia, and the Internet. Theories of international communication are used to compare and contrast the communication systems of different nations.

**Prerequisite:** COMM 210

### **COMM 390 - Cable Communications**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An examination of the cable television industry including technical aspects, franchising, programming, and government regulation.

**Prerequisite:** COMM 210

### **COMM 395 - Communication Theory**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Theoretical paradigms within the communication discipline are surveyed with attention given to the assumptions that undergird theoretical traditions and the types of research questions that can be studied from within different theoretical perspectives. Several traditional theoretical perspectives are presented, including Aristotelian analysis, symbolic interactionism, pragmatism, and technological determinism, along with modern theoretical approaches such as constructivism, discourse theory, and critical cultural approaches.

**Prerequisite:** COMM 205 and COMM 210

### **COMM 400 - Advanced News Reporting and Writing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course covers the process of gathering, writing, editing, and presenting the news on radio and television. Subject areas embrace the changing industry, finding the news, broadcast news writing mechanics, broadcast news writing style, the interview, writing broadcast copy, color, radio news, writing for the television newscast, delivering the news, broadcast news reporting, covering assignments, reporting planned events, reporting live, ethical issues, producing, hardware.

**Prerequisite:** COMM 230 and COMM 240

### **COMM 401 - Argumentation and Debate**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the process of argumentation, with special attention to the structure of argument, reasoning, and the nature of evidence.

**Prerequisite:** SPEE 200

## **COMM 410 - Communication Internship**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course providing students with opportunities for combining theory and practice by their arranging, outlining, and engaging in a program of practical experiences under the joint supervision of a communications organization or agency, and the course instructor. This course is repeatable for up to six hours of course credit.

**Prerequisite:** Junior Standing

## **COMM 425 - Rhetorical Theory and Criticism**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course focuses on basic rhetorical theory and a variety of rhetorical criticism methodologies. Students will study the importance of rhetoric as the field of study that investigates all forms of public persuasion. Students will learn about rhetoric as one of the oldest public professions and academic fields of study, the evolution of thought regarding rhetoric in society, how to conduct research in the field of communication using a rhetorical approach to communication, and how to apply these basic concepts in their own communication activities.

**Prerequisite:** SPEE 200 and COMM 205

## **COMM 430 - News and Public Affairs**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the principles, techniques, and forms of journalism, with students gaining experience in preparing, editing, and delivering news and public affairs materials for a variety of media.

**Prerequisite:** COMM 215

## **COMM 445 - Documentary and Short Film Production**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course covers all aspects of producing a documentary or short film. The class includes discussions of the development and production of a documentary, including the discovery of the story and techniques for presenting that information on screen. We will discuss project research techniques, storyboarding, preparing for



and implementing interviewers, identifying footage sources, finding an effective storytelling method, lighting and camera techniques, graphic requirements, music selection and implementation, title design, and editing and distributing the final product.

**Prerequisite:** COMM 245 and COMM 255, or permission of instructor

## **COMM 450 - Telecommunications Law**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Principles and case studies in communications law including constitutional guarantees, libel, privacy, contempt, privilege, copyright, and governmental regulatory agencies.

**Prerequisite:** COMM 210

## **COMM 470 - Intercultural Communication**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The course provides basic principles and rules for understanding intercultural communication and provides instruction on how to apply the principles when communicating in intercultural situations. The course also provides a wide range of examples and cases of communication practices in different cultures to increase the student's knowledge base about communication diversity in the world.

**Prerequisite:** COMM 205 and COMM 210

## **COMM 480 - Communication, Technology, and Society**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This reading and discussion course is designed to examine the connections among communication, technological development, and society. Students will explore how persuasive communication has affected our perception and employment of technology in society and how those technologies have, in turn, affected public discourse and interaction. Students will adopt a rhetorical perspective in evaluating and understanding classical primary and secondary readings in technological and scientific discourse.

**Prerequisite:** COMM 205 and COMM 210

## **COMM 490 - Communication Research**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The development of mass communication theory is studied with attention given to the emergence of major

paradigms of theory including the development of process and effective perspectives, the development of social learning perspectives, the development of uses and gratifications perspectives, and the development of critical and cultural perspectives.

**Prerequisite:** COMM 395

## **Cooperative**

### **COOP 431 - Cooperative Education I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A program integrating the classroom curriculum with planned periods of in-service professional work related to the student's declared major. Cooperative Education is offered on a competitive basis through the Student Academic Services Center in conjunction with the Academic Advisors, Department Chairpersons and Academic Deans. The students ordinarily begin their first in-service experience at the end of the sophomore year.

### **COOP 432 - Cooperative Education II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of the cooperative work experience program.

**Prerequisite:** COOP 431 or COOP 433

### **COOP 433 - Cooperative Education III**

**Credit Hours:** 6

**Lecture Hours:** 6

**Lab Hours:** 0

A program integrating the classroom curriculum with planned periods of full-time in-service professional work related to the student's declared major. Cooperative Education is offered on a competitive basis through the Office of Career Services & Placement in conjunction with the Academic Advisors, Department Chairpersons and Academic Deans. The students ordinarily begin their first in-service experience at the end of the sophomore year.

### **COOP 434 - Cooperative Education IV**

**Credit Hours:** 6

**Lecture Hours:** 6

**Lab Hours:** 0

A continuation of the cooperative work experience program.

**Prerequisite:** COOP 433

## **COOP 435 - Cooperative Education V**

**Credit Hours:** 6

**Lecture Hours:** 6

**Lab Hours:** 0

A continuation of the cooperative work experience program.

**Prerequisite:** COOP 434

## **Criminal Justice**

### **CRJC 200 - Introduction to the Criminal Justice System**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey course designed to familiarize students with the functions, structure, and organization of the agencies that are responsible for the administration of justice. Specifically, the course introduces students to the institutions and processes of law making and enforcement, the judicial system, corrections and the juvenile justice system.

### **CRJC 201 - Introduction to Law Enforcement**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the history and philosophy of local, state, and federal law enforcement entities in the U.S. with emphasis on the interdependence of law enforcement and other components of the criminal justice system. The course also examines the roles of the police in the administration of justice and the critical issues that affect law enforcement in contemporary society.

### **CRJC 202 - Legal Aspects of Criminal Justice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of procedural aspects of the legal process and administration of justice including constitutional rights, participants in court processes, rules of evidence and the exclusionary rule, and expert testimony.

### **CRJC 203 - Criminal Justice Ethics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A critical examination of the diverse ethical issues encountered in the American criminal justice system with a focus on comparing and contrasting the principles of moral philosophy and ethical theory to the practices of criminal justice agencies.

### **CRJC 210 - Introduction to Criminology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces students to the basic concepts and principles of criminology, an interdisciplinary field of study within the social and behavioral sciences. Students will explore trends and patterns in crime and delinquency and societal responses to these social phenomena.

### **CRJC 212 - Juvenile Justice System**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey course designed to provide an overview of the juvenile justice system, with particular emphasis on the agencies, institutions, procedures, law, programs, and philosophies that guide the administration of juvenile justice.

### **CRJC 215 - Introduction to Criminal Courts**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on the structural outlay and philosophy of the court system, with special emphasis on criminal law and procedure, court processes, and structures, constitutional guarantees, the trial process, and the roles of judges, prosecutors, defense attorneys and juries.

### **CRJC 220 - Introduction to Corrections**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines the historical development, current changes, and future trends in correctional policies and strategies including analysis and evaluation of concepts and theories of retribution, deterrence, rehabilitation,

incapacitation, and other purposes of correctional reform. Special emphasis will be placed on the underlying social, legal, and ethical issues that affect various correctional strategies.

### **CRJC 222 - Community Corrections**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An in-depth theoretical perspective of the social, legal, and ethical issues which gave rise to the development of contemporary strategies of corrections in the community including programs such as probation, parole, other alternatives to incarceration, intermediate sanctions, and diversionary programs

**Prerequisite:** CRJC 200 and CRJC 220

### **CRJC 230 - Criminal Evidence**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course focusing on the various types of evidence used in both civil and criminal proceedings with emphasis on the rules governing the admissibility of evidence and the procedures for handling evidentiary issues in the courtroom.

### **CRJC 243 - Writing for Criminal Justice**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Emphasis is placed on the development of writing skills required for careers in criminal justice, including various forms of correspondence, interoffice memos, informal reports, minutes of meetings, summaries, briefings, and presentations; proofreading, revising, and editing; writing for culturally diverse audiences; and criminal justice terminology.

### **CRJC 300 - Criminal Law**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An involved philosophical analysis of criminal law principles and concepts focusing on both the procedural aspects and the substantive elements of the various crimes, criminal court decisions, and the practical application of such principles and concepts in the courtroom.

**Prerequisite:** CRJC 200

### **CRJC 302 - Prisons and Society**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An advanced corrections course in which students explore the far-reaching impacts of prisons on society. The course examines the consequences of mass incarceration in the United States, not only for prisoners and ex-prisoners, but also for families and communities who have committed no crimes. The course further considers the impact of mass imprisonment on democracy and whether the social costs of incarceration have produced benefits to society in quality of life, safety, or justice.

**Prerequisite:** CRJC 220 and CRJC 200

### **CRJC 304 - Criminological Theory**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course exposes students to different theoretical perspectives in the study of crime and criminal justice. It acquaints students with various explanations that have been offered in an effort to understand criminal behavior and criminal justice practices within social contexts.

**Prerequisite:** CRJC 200 and PSYC 210 and SOCI 210

### **CRJC 305 - Race, Class, and Gender in Criminal Justice**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A comprehensive examination of the concepts of race, class, and gender as determinants of the structure and function of the American criminal justice system, including the relationship between race, class, gender, and crime; issues of race, class, and gender discrimination; and the ideological and political debates that both integrate and segregate theories of race, class, gender, and crime.

**Prerequisite:** CRJC 200

### **CRJC 311 - Criminal Justice Organizations**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Management and Administration: A theoretical course focusing on the organization, management, and administration of local, state, and federal criminal justice agencies with emphasis on how the structure and functions of such agencies affect the administration of justice.

**Prerequisite:** CRJC 200

### **CRJC 313 - Victimology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will explore the evolution of the victim's rights movement, treatment of victims by criminal justice and other social service agencies, theoretical explanations for victimization, repeat victimization, victim treatment in other parts of the world, and successful approaches to working with crime victims.

**Prerequisite:** CRJC 200

### **CRJC 314 - Criminal Justice Research Methods**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course covers the various methods of conducting quantitative and qualitative research. The emphasis is on research design, research instrument construction, data analysis, and reporting of results.

**Prerequisite:** CRJC 200 and CRJC 201 or CRJC 215 or CRJC 220

### **CRJC 315 - Criminal Justice Statistics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is an overview of the various statistics techniques used in criminal justice research. Topics include measures of central tendency, measures of dispersion, t-test, chi-square, regression, and correlation analysis. Emphasis is on testing hypotheses and interpretation of statistical results.

**Prerequisite:** CRJC 200

### **CRJC 325 - Drugs and Crime**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This survey course will address the phenomenon of drugs and crime. Topics to be examined include the nature of drugs, drug use, and addiction; past and present-day trends and patterns in drug availability and use; theories of drug use and addiction; the theoretical and empirical relationship between drugs and crime; drug prevention and treatment programs and their effectiveness; and a review of drug control policies in the United States and selected other countries.

**Prerequisite:** CRJC 200

### **CRJC 333 - Police and Society**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours:** 0

A study of the critical issues facing police officers and administrators in relation to police community relations in a diverse society, with particular emphasis on police history and role in society, discretion, and strategies.

**Prerequisite:** CRJC 201 and CRJC 200

### **CRJC 335 - Media and Crime**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will explore the relationship between media and crime. Students will critically analyze various forms of media through the use of content analysis and case studies. The overall focus will be the social construction of perceptions of criminals, victims, and the criminal justice system, as well as how the media is used as a tool of social control and how it affects criminal justice policy.

**Prerequisite:** CRJC 200

### **CRJC 340 - White Collar Crime**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey course designed to provide an overview of white collar crime, with an emphasis on the criminal and/or unethical or harmful acts of the rich and powerful. Specifically, the course explores the various types of white collar crimes, the characteristics of the offenders, the theories attempting to explain these acts, and the harm caused by them.

**Prerequisite:** CRJC 200

### **CRJC 345 - Criminal Justice Leadership**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will examine criminal justice leadership, discretionary decision-making in criminal justice, critical incident performance, and the effects of stress on criminal professionals. Students will explore the history, major trends and theories, and implementation and practice of leadership principles in the criminal justice professions.

**Prerequisite:** CRJC 200

### **CRJC 351 - Special Problems in Criminal Justice Criminology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0



An advanced analysis of multiple interdisciplinary problems within the fields of criminal justice and criminology. Students will be introduced to a number of problems in criminal justice that do not receive in-depth attention in existing criminal justice courses. Specific topics to be chosen by instructor.

**Prerequisite:** CRJC 200

### **CRJC 355 - Crime Prevention**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Theory and Practice: This course examines crime prevention in theory and in practice. This survey course will review theories of crime and justice with specific implications for efforts to prevent crime. Students will trace the evolution of crime prevention efforts. Most importantly, the course will review crime prevention strategies, ranging from those designed to protect the individual to those designed to protect society at large. A particular focus will be placed on techniques linked to the environmental criminology and situational crime prevention perspectives.

**Prerequisite:** CRJC 200

### **CRJC 361 - Comparative Criminal Justice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A theory-based comparison of the American criminal justice system with a number of selected criminal justice systems from around the world. Emphasis will be placed on how the social organization of a specific society affects the definition of crime and the administration of justice.

**Prerequisite:** CRJC 200

### **CRJC 370 - Special Topics in Criminal Justice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Students will examine one theme in-depth that is not addressed in great detail in another course. Topic will change based on the interests and expertise of the instructor and a student may retake the course to a maximum of nine credits with change of topic.

**Prerequisite:** CRJC 200

### **CRJC 380 - Sex, Sexuality, and the Law**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This is a survey course designed to give students an overview of criminal law, civil law, and legal issues as they related to sex and sexuality. This class considers why certain behaviors come to be legal or illegal, how laws that regulate sex and sexuality affect our culture, and how criminal justice professionals confront issues of sexuality within the framework of the law. Though specific topics may vary by professor or current events, they may include sexual assault, prostitution, sex trafficking, pedophilia, sting operations, abortion, hate crimes, GLBTQ rights (for civilians and CJ professionals), sex registries, and pornography.

**Prerequisite:** CRJC 200

## **CRJC 400 - Sustainable Justice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A service learning course in which students examine theories, policies, and best practices surrounding efforts to create sustainable justice in communities that are hard hit by traditional criminal justice practices. Students will engage in community based research and service designed to help local community builders identify new public safety priorities and to help governmental agencies better tailor their resources to conditions in local communities and neighborhoods.

## **CRJC 402 - Restorative Justice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Restorative justice, in some form or another, has been practiced most likely since the dawn of humanity. Harms create obligations, the fulfillment of which offers the possibility of healing for all. The purpose of this course is to expose students to the discourse on justice that prioritizes healing.

**Prerequisite:** CRJC 200

## **CRJC 429 - Internship and Career Preparation in Criminal Justice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course familiarizes students with issues related to internship and career preparation in the field of criminal justice. Students will learn about issues related to the criminal justice internship experience, such as finding an internship, preparing for the internship interview, and professional and ethical conduct in the criminal justice internship setting. Students will explore a wide range of careers in criminal justice and learn information regarding processes involved in successfully pursuing and advancing in careers in criminal justice. Successful completion of this course is a prerequisite for enrolling in CRJC 430, Internship in Criminal Justice.

**Prerequisite:** CRJC 200

## **CRJC 430 - Internship in Criminal Justice Systems**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides students with the opportunity to synthesize theory and practice in a supervised work environment in a criminal justice agency, with the students' progress and performance on the job monitored jointly by the agency head and the course instructor.

**Prerequisite:** CRJC 429

### **CRJC 450 - Seminar in Criminal Justice**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to provide criminal justice majors with a capstone experience emphasizing integration of knowledge acquired in previous courses on the institutions, policies and practices of criminal justice. Students engage in the development and production of a senior level research paper grounded in relevant criminal justice literature.

**Prerequisite:** CRJC 200 and CRJC 201 and CRJC 215 and CRJC 220 and CRJC 304 and CRJC 314 and (CRJC 315 or POLI 240 or PSYC 233 or SOCI 331 )

### **CRJC 460 - Researching Criminological Theories**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This is an advanced course emphasizing the research literature on major theoretical perspectives in the field of criminal justice. Students will assess the methods used, pointing out the advantages and disadvantages of those approaches. This course will be a critical evaluation of the research methods that generate data, bridging the gap between theory and research in the study of crime and deviant behavior. Students will examine the processes and challenges of conducting theoretically directed research with a focus on sampling, measurement, and analytical issues.

**Prerequisite:** CRJC 304 and CRJC 314 and (CRJC 315 or PSYC 233 or SOCI 331)

### **CRJC 490 - Independent Study**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course allows students to examine an area of criminal justice not otherwise covered by the Department of Criminal Justice.

**Prerequisite:** CRJC 200

### **Computer Science**

## **CSC 100 - Introduction to Computers**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course covers fundamental concepts of computers and their applications using personal computers in stand-alone and networked environments, including the use of software for word processing, presentations, spreadsheets, and databases. Majors in computer science will not receive credit for this course.

## **CSC 101 - Computer Programming Language (FORTRAN)**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is an introduction to FORTRAN, a problem-oriented computer language for use in scientific and mathematical problem solving.

**Prerequisite:** MATH 123 or higher

## **CSC 102 - Introduction to Visual Basic**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will introduce students to computing using Visual Basic with emphasis on business applications. The topics for the course will include Visual Basic programming, computer concepts in relation to management, the use of an Integrated Development Environment (IDE), flowcharts, algorithms, decision making, control structures, modules, windows programming, procedures and arrays.

**Prerequisite:** MATH 123 higher

## **CSC 104 - Introduction to Computer Science for Non-Technical Majors**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course explores topics of computer science for non-technical majors. The course covers the fundamental issues of networking, HTML, data representations, computers, algorithms, and programming. Students receive a solid grounding in the central concepts as well as in important uses of computing and information technology.

## **CSC 105 - Introduction to Computer Science for Technical Majors**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is an introduction to the fundamental concepts and skills needed by students who anticipate majoring in computer science or other technical majors such as mathematics or a natural science. Topics include algorithms as models of computational processes, programming fundamentals such as data models and control structures, and the computing environment and its tools, such as basic hardware, editors, compilers, and debuggers.

### **CSC 120 - Introduction to Programming Methodology**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

This course is the first course of a two-semester sequence that provides an overview of programming methodology and program writing skills. Topics include basic concepts of computer systems, problem solving and algorithm development, program structures, data types, program development, method and style, coding, debugging, testing, and documentation. This course includes a two-hour hands-on lab.

### **CSC 130 - Program Design and Implementation**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

This course is the second of a two-semester sequence that focuses on a disciplined approach to design, coding, and testing of programs. Topics include data abstraction, data structures, and searching and sorting algorithms. This course included a two-hour hands-on lab.

**Prerequisite:** CSC 120

### **CSC 201 - Computer Organization and Architecture I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course covers the relationship between computing hardware and machine language instruction sets, implementation of high level languages on the machine and some memory related issues. The study is organized into levels in the following order of topics: fundamental building blocks such as logic gates and flip-flops and combinational and sequential logic; machine level representation of data; basic assembly language, implementation of high level language constructs, addressing modes, compilation, assembly and interpretation; memory hierarchy; interrupts. Some real world computer systems and microprocessors are used as examples, along with their hardware and the organization of their instruction sets. Assembly language programming is studied in detail.

**Prerequisite:** CSC 130

**Corequisite:** MATH 150

### **CSC 202 - Object Oriented Programming in C/ C++**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on object oriented programming and software development strategies in C/C++ programming language. Material includes syntax and semantics of C/C++, memory management, file processing, and network programming. Directed projects in C/C++ are an integral part of the course.

**Prerequisite:** CSC 130

## **CSC 203 - Internet of Things**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces IoT systems, architectures, standards & protocols, and IoT applications. Topics include IoT network architecture and design, smart objects, wireless communications, network and application protocols, big data and machine learning, and IoT security and applications. Students will learn how to develop and implement IoT technologies, solutions, and applications using electronics, microcontrollers, and single board computers.

## **CSC 204 - Object Oriented Programming in Java**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on object-oriented programming and software development strategies. Material includes syntax and semantics of Java, file processing, and network programming. Directed projects in Java are an integral part of the course.

**Prerequisite:** CSC 130

## **CSC 205 - Programming for Geographical Information Systems**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course covers a wide variety of programming topics necessary for gaining the ability and knowledge to develop software applications in Geographical Information Systems (GIS). The course will teach knowledge of file types, database models, visualization and graphical user interface customization for databases. Hands on exercises on these topics will provide students with the practical knowledge necessary to build GIS applications on spatial and spatiotemporal databases. The course will also cover the use of dominant software in the GIS industry and also how to build custom applications on such platforms using special purpose scripting languages.

**Prerequisite:** Permission of instructor

## **CSC 207 - Symbolic Programming**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces the basic concepts and methods of symbolic programming. Symbolic programming involves the construction and analysis of complex symbolic expressions that can be used to represent different types of information. This course also introduces functional programming and logic programming as two widely used paradigms for symbolic computation. Course topics include recursion, list processing, tree processing, backtracking, unification and resolution.

**Prerequisite:** CSC 130

**Corequisite:** MATH 150

## **CSC 209 - Windows Environment Programming**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course involves how to develop and program graphical user-interfaces (GUI) using current programming toolkits and GUI tools.

**Prerequisite:** CSC 130

## **CSC 220 - Data Structure/Algorithms**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course explores data structures from various viewpoints: data structure design in response to a specific need, the expression of an algorithm in terms of the operations on the data structure, and complexity of operations. This course reinforces the knowledge of data structures gained in CSC 130 and extends it, particularly with regard to complexity of corresponding algorithms.

**Prerequisite:** CSC 130 and MATH 150

## **CSC 270 - Networking Basics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Students build simple LAN topologies by applying basic principles of cabling, performing basic configurations of networks devices such as routers and switches, and implementing IP addressing schemes.

## **CSC 280 - Computer Security Basics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an introduction to the fundamentals of information security, both theory and practice. The following topics will be covered: security principles including confidentiality, integrity, availability, authentication, authorization, and non-repudiation; threat models; access controls; auditing and accountability; basic concepts of cryptography; operations, physical, network, OS, and application security.

**Prerequisite:** CSC 270 and STAT 202 or equivalent

## **CSC 281 - Mobile and Web Applications Security**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course studies the security and threat models of mobile and web applications. Topics will include: mobile device platforms; Mobile Device Management (MDM) command injections including SQL injection and Format Strings and Buffer Overflows; communication protocols including non-secure and secure HTTP protocols - TLS/ SSL; digital signatures, certificates, and public-key infrastructure; OWASP Top 10 models; Windows, Android, and iOS security models.

**Prerequisite:** CSC 280

## **CSC 282 - Exploring Threats, Malwares, and Mitigations**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will provide in-depth coverage of threat models and malwares and virtual machines software systems. Topics will include: exploitation techniques including persistent and non-persistent threats and reverse social network engineering; password cracking including dictionary attacks; VMWare and malwares; countermeasures such as Firewalls, secure SSL, password salting, and sandboxing; HTML5; code review using static and behavioral analyses; Intrusion Detection Systems.

**Prerequisite:** CSC 280

## **CSC 300 - Professional Practice in Computing**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

This course requires preparation and submission of a comprehensive report based on actual employment experience in a computer-science cooperative job or internship. This course is designed for course substitution



for Cooperative Education courses, and it may be used only twice for a maximum of six credits. It may not be used twice in the same semester. Prerequisite: Permission of instructor

## **CSC 303 - Computer Organization and Architecture II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The course is a continuation of CSC 201 which covers many aspects of computer architecture and implementation. Topics covered include pipelining, instruction-level parallelism; advanced cache and memory-hierarchy design issues; design issues for shared memory multiprocessors; storage systems and design of input/output systems; architectural implications for networks and distributed systems. In this course a rigorous quantitative approach is taken to examine different system design tradeoffs.

**Prerequisite:** CSC 201

## **CSC 305 - Geospatial Databases**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course covers fundamental concepts of databases and spatial databases. Data models, building and querying databases, optimizing databases and interfaces for databases, will be discussed with the emphasis on spatial data. More advanced topics such as spatiotemporal databases and spatial reasoning will be also covered. Computer exercises will be done using a spatial database management system. The course will focus on the actual use of the material in the real-world settings with concentration on geospatial big data.

**Prerequisite:** CSC 130 or equivalent programming course or higher  
**Corequisite:** STAT 270

## **CSC 310 - Introduction to Numerical Method**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on computer techniques used to translate certain known computational algorithms into computer programs and on practice in use of existing mathematical library routines. Topics include linear systems of equations, curve fitting and interpolation algorithms for differentiation, solution of non-linear equations, solution of ordinary differential equations, and elementary discussion of errors.

**Prerequisite:** CSC 101 and CSC 102 and CSC 120 and MATH 241 and MATH 251

## **CSC 320 - Design and Analysis of Algorithms**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides a comprehensive introduction to the design and analysis of computer algorithms. Design techniques include divide-and-conquer, the greedy approach, and dynamic programming. Algorithm analysis topics include asymptotic notation, recurrence relations, time-space complexity, Turing machines, and NP-completeness. Algorithms for sorting, searching, hashing, and advanced data structures are examined.

**Prerequisite:** CSC 220

## **CSC 322 - Programming Languages**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course considers the principal programming language concepts and shows how they are dealt with in the design and implementation of traditional imperative languages, functional languages, logic languages, and object-oriented languages. Topics include history, virtual machines, regular expressions, finite automata, representation of data types, sequence control, data control, data sharing, data type checking, run-time storage management, and distributed and parallel programming constructs.

**Prerequisite:** CSC 201 and CSC 207 and CSC 220

## **CSC 323 - Principles of Database Design**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course emphasizes the concepts and structures necessary to design and implement a database management system. It will acquaint the students with current literature on the subject and give them an opportunity to use a database management system. Topics include database concepts, hierarchical, network and relational data models, data normalization, data description languages, query facilities, file organization, file security, data integrity, and reliability.

**Prerequisite:** CSC 220

## **CSC 332 - Theory of Computation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course covers basic theoretical principles embodied in formal languages, automata, computability, and computational complexity. Topics include finite automata, pushdown automata, non-determinism, regular expressions, context-free grammars, Turing machines, Gödel numbering, Church's thesis, the halting problem, unsolvability, and computational complexity.

**Prerequisite:** CSC 220

## **CSC 342 - Software Tools**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course covers software development on a specific platform such as Unix. Topics include general utilities, shell programming, file processing and manipulation, text patterns, software management facilities, linkers, loaders, debuggers, compilers, editors, filters, and macro processing.

**Prerequisite:** CSC 220

### **CSC 350 - Service Learning**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

Under the supervision of the Computer Science faculty, students will hold discussion sections for introductory computer science courses and will serve as tutors and assistants in the laboratories. Students will attend a weekly lecture section to become familiar with course materials, problem-solving skills, and approaches that will aid their tutoring and assisting introductory students in completing their assignments. One credit hour shall be awarded for each four (4) hours per week of laboratory assistance. The course may be repeated up to a maximum of six (6) credit hours. Course grade is either pass (P) or not pass (NP).

**Prerequisite:** 18 hours of CSC credit

### **CSC 351 - Computer Ethics and Service Learning**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course discusses the impact of computers on society including the individual, business, and government. This course is also a service learning course that introduces students to the experience of responsible citizenship by conducting various service learning activities involving computing. Topics include historical and social issues in computing, security, privacy, professional responsibilities, risks and liability, and intellectual property. Students are also required to spend a minimum of 20 hours performing services to the community.

**Prerequisite:** 18 hours of CSC credit

### **CSC 360 - Intro to Computer Simulation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces simulation and modeling of systems with concentration on discrete stochastic systems. Topics include modeling and simulation techniques, Monte Carlo methods, queuing models, and computer simulation languages such as GPSS, and SIMSCRIPT. A simulation project is developed, completed, and presented by each student as a member of a project team.

**Prerequisite:** MATH 142 and proficiency in a programming language

## **CSC 371 - Routing Protocols**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with virtual LANs and inter-VLAN routing in both IPv4 and IPv6 networks.

**Prerequisite:** CSC 270

## **CSC 372 - LAN Switching and Wireless**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course describes the architecture, components, and operations of routers and switches in larger and more complex networks. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, and STP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement a WLAN in a small-to-medium network.

**Prerequisite:** CSC 270

## **CSC 380 - Introduction to WAN (Wide Area Network)**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students will also develop the knowledge and skills needed to implement virtual private network (VPN) operations in a complex network.

**Prerequisite:** CSC 371 and CSC 372

## **CSC 390 - Topics in Computer Science**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to cover contemporary topics of current interest and demands in computer and information science at the junior and senior levels. It may be repeated for credit with approval of department.

**Prerequisite:** CSC 220 or instructor permission

## **CSC 395 - Competitive Programming**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

This course provides intensive training in programming towards solving particular problems in a timely fashion. The skills obtained will be very useful in the workplace as well as programming competitions. Topics include: mathematical/logical skills for problem solving; online programming references; restricted programming environments; and collaboration for problem solving.

**Prerequisite:** CSC 220

## **CSC 403 - Social, Ethical, and Professional Issues**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

This course discusses the impact of computers on society including people, business, and government. Topics include historical and social issues, security, privacy, professional responsibilities, risks and liability, and intellectual property.

**Prerequisite:** 18 hours of CSC credit

## **CSC 405 - Geospatial Applications of Data Analytics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides students with the practical knowledge of methods for analyzing geospatial data, which in the age of big data is produced with increasingly high variety, volume and velocity. This course will cover applications of data analytic techniques to geospatial applications such as remote sensing; networking and computing models such as virtualization and cloud computing, structured and unstructured geospatial data, machine learning algorithms for clustering and classification of data, discovery of patterns through data mining, and visualization of geospatial data. The course will also cover concepts of spatial data mining to learn about techniques to find spatial patterns.

**Prerequisite:** CSC 130 or equivalent programming course or higher

**Corequisite:** CSC 305

## **CSC 410 - Introduction to Compiler Design Theory**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces basic mathematical theory underlying the design of compilers and other language

processors, and the implementation of the theory in practical design situations.

**Prerequisite:** CSC 201 and CSC 220 and CSC 332

## **CSC 431 - Operating Systems I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to develop an understanding of the organization and architecture of computer systems at the register-transfer and programming levels of system description. Major concept areas of operating systems principles and the inter-relationships between the operating systems and the architecture of computer systems are taught. Topics include system structure, process concept, CPU scheduling, process synchronization, deadlocks, and memory management.

**Prerequisite:** CSC 220

**Corequisite:** CSC 201

## **CSC 432 - Operating Systems II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides for the study of advanced software techniques, especially focusing on operating systems. It presents materials that will enable the student to design, use, and analyze current and future operating systems. Topics include I/O programming, interrupt programming, memory management, processor management, device management, design and implementation of operating systems.

**Prerequisite:** CSC 431

## **CSC 434 - Artificial Intelligence**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces the history, goals, and social impacts of artificial intelligence, and covers classical and contemporary topics of interest in this area. Topics include problem solving with search algorithms; planning and knowledge representation; quantification of uncertainty and machine learning; neural networks; and application areas such as computer vision, robotics, and natural language processing.

**Prerequisite:** CSC 207 and CSC 220

## **CSC 451 - Computer Graphics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces hardware and software components of graphics systems, and graphic application programming. Programs to deepen understanding of interactive graphics, picture plotting and input handling in an integrated manner will be written. Topics include geometrical transformation, three-dimensional concepts, windowing, clipping, segmentation, logical interaction input methods, raster algorithms, algorithms for hidden surface and hidden line removal, and shading and color.

**Prerequisite:** CSC 220 and MATH 241 and MATH 251

### **CSC 470 - Software Engineering**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces students to an intensive study of writing large programs, program design and programming style, and object-oriented development techniques in an attempt to manage the complexity of large software systems. Topics include principles of software engineering, object-oriented development, systems development, programming support environments, and software life cycles.

**Prerequisite:** CSC 220

### **CSC 473 - Parallel Processing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course gives the students basic knowledge about parallel processing. Topics include hardware architecture of parallel machines; software environment that enables parallel computing; performance analysis of parallel algorithms; techniques for developing parallel algorithms; and case studies on typical parallel algorithms.

**Prerequisite:** CSC 220

### **CSC 480 - User Interface Development**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course on user-interface technology and human-computer interaction issues including user productivity, system habitability, abstraction barriers, and human factors. Topics include command languages, hierarchical menus, direct manipulation (graphical user interfaces), multimedia interfaces, multimodal interaction, and user interface management systems.

**Prerequisite:** CSC 220

### **CSC 485 - Geospatial Data Analytics Senior Project**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course presents a formal approach to state-of-the-art techniques in geospatial data analytics and provides means for students to apply the techniques. An integral part of the course is the involvement of students working in teams in the organization, management, and development of a large project. Upon completion of this course, students will be able to comprehend the key knowledge of geospatial data analytics and allow for the integration and reflection on previous knowledge. Students will demonstrate their advanced abilities and skills in solving geospatial data analytics problems and will be able to use current techniques, skills, and tools to analyze, design, and implement computing systems for real-world cases.

**Prerequisite:** CSC 405 (may be taken concurrently)

## **CSC 490 - Senior Project**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course presents a formal approach to state-of-the-art techniques in computer science and provides a means for students to apply the techniques. An integral part of the course is the involvement of students working in teams in the organization, management, and development of a large project. Project topics include software systems and methodology, computer organization and architecture, theory and mathematical background, computer security and social issues.

**Prerequisite:** Senior standing and 9 hours of CSC at the 300 level and 6 hours of CSC at the 400 level

## **Dance**

### **DANC 203 - Fundamentals of Dance**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Beginning survey and participatory dance class that explores jazz, ballet, modern, and cultural dance styles.

### **DANC 204 - Survey of Dance Techniques**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

This is a dance technique course exploring dance training in ballet, jazz, and modern dance. This class will focus solely on dance technique. Students will learn to increase their endurance as well as distinguish dance styles, form, and vocabulary. Each section of this course will concentrate on the different aspects of dance technique and will enable students to improve their overall level of technical ability. Recommended for students who want to continue their dance training.

**Prerequisite:** Permission of instructor. This course can be taken more than once.

### **DANC 210 - Intermediate Contemporary Dance**



**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

For students who have previous training in dance (3 years or more), this course offers practice in modern and ballet techniques. The course also makes connections between jazz, cultural, and contemporary dance. Dance warm-up exercises are included to build strength, flexibility, coordination, and endurance.

**Prerequisite:** DANC 203 or permission of instructor

### **DANC 255 - Dance History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This survey course emphasizes the historical, social, and cultural contexts of dance.

**Prerequisite:** HUMN 211

### **DANC 315 - Modern Dance: Explorations in Techniques and Theories**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is for students interested in modern dance. Emphasis will be placed on exploring the historical and movement dynamics of various modern dance styles. Personal movement strengths and theatricality as well as performance presentation will be emphasized to develop learners into adept performers in the art of modern dance.

**Prerequisite:** Permission of instructor

### **DANC 320 - Cultural Dance for Contemporary Applications: Cultural Dance for Contemporary Applications**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

By exploring various dance exercises, this course analyzes the philosophical and rhythmic components of African, Caribbean, and Latin dance styles. Through an exploration of historical and social context, the course draws comparisons to contemporary dance genres, including hip hop, step, and liturgical dance. Emphasis will be on the participants' coordination, rhythm, musicality, and sense of ensemble. Students are expected to practice assignments outside of class. Previous dance experience helpful, as there will be movement repetition and corrections in class.

**Prerequisite:** DANC 203 or DANC 210 or permission of instructor

### **DANC 455 - Composition and Repertory**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Workshop class intended to help students explore, define, learn, and create dances. Dance technique required in addition to rehearsals outside of class time.

**Prerequisite:** DANC 203 or DANC 210 or permission of instructor

## **Dental Hygiene**

### **DENT 300 - Introduction to Advanced Professional Roles**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 9

An introduction to the history, trends, issues, and evolution of the dental hygiene profession.

### **DENT 360 - Educational Methodology in Dental Hygiene**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 9

This course aims to provide an overview of the theoretical issues in learning and teaching as well as the different approaches and methods in dental hygiene pedagogy.

### **DENT 370 - Current Concepts in Dental Hygiene**

**Credit Hours:** 4  
**Lecture Hours:** 0  
**Lab Hours:** 12

This course provides an introduction to the significant aspects of dental hygiene practice within the context of dentistry and current health care.

### **DENT 400 - Research, Statistics, and Evidence-Based Practice in Dental Hygiene**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 9

An introduction to understanding statistics, research methods, and evidence-based approaches to dental hygiene.

### **DENT 460 - Population Health Management in Dental Hygiene**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 9

This course provides a study of oral health and the prevention of oral disease in a community. Emphasis is on assessment of community groups and dental health needs, planning, implementation, and evaluation of community programs.

### **DENT 466 - Diversity and Cultural Competence in Dental Hygiene**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 9

This course focuses on cultural diversity and how to begin the journey of becoming culturally competent in our society. It examines our own cultural beliefs, values, and practices and other cultures in the dental healthcare system. This course will teach the student how to develop cultural competence by acquiring the ability to provide care to patients with diverse backgrounds, values, beliefs, and behaviors, including tailoring delivery of care to meet patients' social, cultural, and linguistic needs.

### **DENT 470 - Dental Hygiene Capstone**

**Credit Hours:** 8  
**Lecture Hours:** 0  
**Lab Hours:** 24

This course focuses on experiences in a chosen focus area (clinical, administrative, or population-based). It culminates with a capstone project in the form of research, or other scholarly activity that articulates the design, organization, statistics and data analysis used, and includes an oral and written presentation of the project.

## **Economics**

### **ECON 200 - Entrepreneurship and the Economy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on the logic of economic decisions. This course will look at what it takes to set up, manage, and grow new ventures. In the process, the course reviews economic decision making and provides a survey of basic economic concepts. This course is designed to teach students the decision skills necessary to negotiate their roles as consumers, savers, investors, voters, and above all, as productive citizens in a global setting.

### **ECON 211 - Principles of Macroeconomics**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours: 0**

An examination of the basic concepts and principles of macroeconomics and their application to current domestic and international issues.

**Prerequisite:** MATH 123

## **ECON 212 - Principles of Microeconomics**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

An introduction to the subject of economics, with emphasis on microeconomic principles and their application to business decision making and current domestic and global issues.

**Prerequisite:** MATH 123

## **ECON 301 - Entrepreneurship and New Venture Creation**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

Using applied economics and business principles, this course focuses on issues that face entrepreneurs who start new enterprises or create new ventures within existing firms. The topics covered in the course include the evaluation of new venture ideas; the planning, formulation and implementation of strategies for creating new ventures and finally the evaluation of economic conditions and the financing of new ventures. This course is cross listed with ENTR 301.

**Prerequisite:** ECON 212 and ACCT 211

## **ECON 303 - Entrepreneurial Strategy and Opportunity Analysis**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course provides a foundation for the analysis of entrepreneurial opportunities. The course reviews a variety of strategic considerations derived from managerial economics, industrial organization and entrepreneurial finance in the context of specific entrepreneurship cases. This course is cross listed with ENTR 303.

**Prerequisite:** ACCT 211 and ECON 212

## **ECON 310 - Managerial Economics**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

An in-depth study of the managerial decision-making process and its tools, including such topics as forecasting

demand, cost analysis, pricing, capital budgeting, and risk and uncertainty.

**Prerequisite:** ECON 211 and ECON 212 and MATH 123

### **ECON 315 - Intermediate Microeconomics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An in-depth study of the working of price mechanism within the framework of a free enterprise economy; a detailed examination of the behavior of consumers and firms, the theory of distribution, and welfare economics (with applications to international trade and personal income distribution).

**Prerequisite:** ECON 211 and ECON 212 and MATH 123

### **ECON 316 - Applied Macroeconomics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An in-depth study of theories of national income determination, employment, interest, inflation, balance of payments, exchange rate, fluctuations in the aggregate economic activity, and their relevance to managerial decision making.

**Prerequisite:** ECON 211 and ECON 212 and MATH 123

### **ECON 321 - Applied Econometrics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An Internet survey course designed to teach students the decision making skills necessary to negotiate their roles as consumers, savers, investors, voters, and above all, as productive citizens in a global setting. The course also emphasizes the practical aspect of economics and examines the microeconomic (individual) and the macroeconomic (aggregate) implications of decision making.

**Prerequisite:** MATH 123 and BADM 216

### **ECON 322 - Money, Banking and Monetary Policy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A formal examination of the role of money, banking, and financial institutions, as well as rudimentary discussion of monetary policy issues in the domestic and international economies. This course is cross listed with FINC 323.

**Prerequisite:** ECON 211 and ECON 212 and MATH 123

## **ECON 340 - Economic Development**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An examination of the leading issues and theories of economic development and their relevance to the developing countries. The course will also examine some of the unique problems of businesses in these countries.

**Prerequisite:** ECON 211 and ECON 212 and MATH 123

## **ECON 351 - International Trade and Finance**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey of the theories of international trade, balance of payment, exchange rate determination, international portfolio investment (including currency swaps, options and futures) international financial management (global cost, budgeting, and capital flows) and related monetary issues. This course is cross listed with FINC 354.

**Prerequisite:** ECON 211 and ECON 212 and MATH 123

## **ECON 430 - Economic Problems**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An in-depth study of current economic and social problems and their implications for business and society. Among the issues covered are: crime and the justice system, poverty, discrimination in labor markets, health care and social security, as well as government antitrust policies and regulation of markets.

**Prerequisite:** ECON 211 and ECON 212 and MATH 123

## **ECON 432 - Industrial Organization and Public Policy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An analysis of industrial organization, vertical and horizontal relationships between firms, pricing, output, and advertising policies of firms in a variety of market structures, including a detailed study of the content, success, and failure of anti-trust legislation.

**Prerequisite:** ECON 315

## **ECON 440 - Seminar in Economics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The culmination of the undergraduate study of economics providing opportunities for students to apply knowledge and training to the analysis of current economic problems. Students select projects of their choice and work under the supervision of the instructor.

### **ECON 450 - Economics Internship**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 0

A practical course enabling students to apply their theoretical knowledge of economics/finance to real situations and to gain practical experience in business, financial industry, and government institutions. This course is cross-listed with ACCT 450, BADM 430, FINC 453, FESA 490, and HCM 490.

### **ECON 453 - Financial Markets**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course in macro finance which focuses on financial markets and financial institutions. Money and capital markets and their role in the savings investments process are considered. Topics such as the market for loanable funds, flow-of-funds accounts and securitization are covered.

**Prerequisite:** FINC 323 or ECON 322

### **ECON 460 - Seminar in Entrepreneurship and New Venture Creation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Study and analysis of contemporary issues and entrepreneurship and the creation of new ventures: The issues covered in the course may include the economic theory of entrepreneurship, entrepreneurial opportunities and risks caused by economic change, the role of creativity and innovation in the economy, entrepreneurial strategy, the identification of new venture opportunities, and case studies of entrepreneurs and entrepreneurial ventures.

## **Middle Grades Education**

### **EDMG 400 - The Middle School**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the basic principles, policies, and philosophies that undergird middle school education in the United States. (Fall and Spring)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDMG 433 - Methods and Materials of Teaching Mathematics in the Middle Grades**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Candidates are introduced to instructional and professional practices, tools, and resources to design, implement, and assess learning experience for middle grades math education (6-9). (Fall)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDMG 461 - Methods and Materials of Teaching Language Arts in the Middle Grades**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Candidates are introduced to instructional and professional practices, tools, and resources to design, implement, and assess learning experiences for middle grades English language arts education (6-9). (Fall)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDMG 462 - Methods and Materials of Teaching Social Science in the Middle Grades**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Candidates are introduced to instructional and professional practices, tools, and resources to design, implement, and assess learning experiences for middle grades social studies education (6-9). (Fall)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDMG 463 - Methods and Materials of Teaching Science in the Middle Grades**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Candidates are introduced to instructional and professional practices, tools, and resources to design, implement, and assess learning experiences for middle grades science education (6-9). (Fall)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDMG 470 - Clinical Experience in the Middle Grades**



**Credit Hours:** 11  
**Lecture Hours:** 0  
**Lab Hours:** 11

The clinical experience in the public middle schools pairs candidates with clinical educators in the classroom to further develop content knowledge, pedagogical content knowledge, pedagogical skills, and integrate technology in all areas to produce a positive impact on student learning. The goal of the clinical experience is to link theory and practice within the clinical setting to contextualize and cultivate knowledge, skills, and professional dispositions. (Fall and Spring)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDMG 498 - Middle Grades Capstone Course**

**Credit Hours:** 1,2, or 3  
**Lecture Hours:** 1,2, or 3  
**Lab Hours:** 0

Candidates are introduced to instructional and professional practices, tools, and resources to design, implement, and assess learning experiences for middle grades subject area content (6-9). This course provides candidates with a comprehensive conceptual review and analysis of discipline-specific content from national and state standards. (Fall)

**Prerequisite:** Admission to teacher education and permission of instructor.

## **Education**

### **EDUC 210 - Technology Applications for Teachers**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is an introduction to computers, as well as to educational technology and its uses in the facilitation of learning. The course includes the history of computers in education; ethics in technology; appropriate hardware, software, and systems connectivity; elementary computer operating procedures; computer applications; teaching and learning theories for diverse populations; instructional technology; technology integration; web evaluation rubrics; and the evaluation of educational technology. The activities presented in this course will help the candidate to acquire essential education technology knowledge and to develop the skills necessary to become a professional facilitator of learning. (Fall, Spring, Summer)

### **EDUC 211 - Laboratory Experiences in Area Schools**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 1

An introduction to laboratory experiences in area elementary, middle, and secondary schools, providing

facilitation opportunities for prospective education professionals to observe student-teacher interactions and to develop an understanding of learning in the school setting. Fifteen (15) hours of field experience and thirty (30) hours in the Plato instructional series are required. Documentation of Plato Profile is required. Performance on Plato Pre-Test will reduce the number of required Plato Lab hours/supplemental instruction. (Fall, Spring, Summer)

### **EDUC 303 - Teaching the Young Child with Special Needs**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The course offers the foundations of early childhood education along with pioneers in the special education field as the base for child development. Policies and practices, early and current are examined along with assessment planning and screening processes, intervention practices, teaching strategies and reflection. Further, the student candidate will gain knowledge of the components needed to create an environment that supports all children's learning, teaching strategies and adaptations. Student candidates will engage in child study observations, develop two child content studies, and conduct a parent interview. Thirty observation hours are included within the course.

**Prerequisite:** EDUC 308 and EDUC 350

### **EDUC 306 - Birth Through Kindergarten Curriculum Development**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is geared for non-teaching Birth-Kindergarten students. The course covers child development for children aged birth-kindergarten and developmentally appropriate curriculum development for these ages. Other concepts introduced are the physical environment, teaching typical and atypical children, developing lesson plans, and teacher/parent relationships. Students will develop an inquiry-base integrated lesson plan set.

**Prerequisite:** EDUC 350

### **EDUC 308 - Observation and Assessment in Preschool Education**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to focus on observation of young children, including techniques for recording observations and using them to inform instruction and parents. Emphasis is placed on understanding and using different assessment procedures and their purposes and limitations, including ongoing observation, data collection and analysis. Assessment techniques which support children's development and learning will be highlighted. Adaptations in assessments which are relevant to the children's backgrounds and values, health appraisal, and referral practices as well as types of assessment will be stressed. Observation, assessment, and reporting are treated as a complementary process. Candidates are required to develop a case study. Fifteen field hours are included within the course.

**Prerequisite:** EDUC 350

## **EDUC 309 - Infant and Toddler Curriculum Development and Field Study (Teaching Majors)**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 1

This course will provide 21st century Birth-Kindergarten teacher candidates with content knowledge in infant and toddler development. BK student candidates will learn theoretical frames for infant and toddler development, strategies for teaching typical and atypical infants and toddlers, how to develop an appropriate curriculum, how to create adaptive environments, and the importance of working with families. Students are required to develop an inquiry-based, integrated lesson plan set and inquiry-based integrated unit plan. The 60 hours field study allows the BK student candidate first hand field experience in infant and toddler early learning environments. This is a four credit hour course with three hours of lecture and one hour for field observations.

**Prerequisite:** EDUC 303 and EDUC 308 and EDUC 350 and Admission to Teacher Education

**Corequisite:** EDUC 314

## **EDUC 310 - Foundations of Education**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is a comprehensive overview of the foundations of education in the United States. It is an interdisciplinary attempt (incorporating the historical, political, economic, legal social, philosophical, and curricular foundations) to provide pre-service teachers with a clear understanding of the teaching profession and the issues and controversies confronting American education today. (Fall, Spring, Summer)

## **EDUC 311 - Foundations of Multicultural Education and Diversity**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The facilitator of learning will explore the historical development of multicultural education, definitions of multicultural education and diversity concepts, the intercultural conflicts from philosophical cultural differences, and principles guiding multicultural education. (Fall, Spring, Summer)

## **EDUC 314 - Preschool/ Kindergarten Curriculum Development and Field Study**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 1

This course will provide 21st century Birth-Kindergarten teacher candidates with the content knowledge needed to work with typical and atypical children. The student candidates will learn theoretical frames in early childhood education that allow them to adapt environments that meet the needs of all children, develop an

integrated approach to curriculum development, foster parent involvement, and develop a global sense in the early childhood field. The 60 hour field study offers needed hands on experience in preschool and kindergarten settings. Students are required to develop an inquiry-based integrated lesson plan set and inquiry-based integrated unity plan. This is a four credit hour course with three hours of lecture and one hour of field observations.

**Prerequisite:** EDUC 303 and EDUC 308 and EDUC 350 and Admission to Teacher Education

**Corequisite:** EDUC 309

## **EDUC 330 - Educational Psychology and Human Development**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An exploration of psychological principles and their applications to the problems of teaching and learning, including characteristics of stages in human development, theories of motivation and learning, classroom management strategies, individual differences, exceptional children, and the measurement and evaluation of student achievement and teaching strategies. Field experience required. (Fall, Spring, Summer)

## **EDUC 331 - Instructional Design and Assessment of Learning**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An exploration of instructional design and assessment principles and their application to the problems of teaching and learning, including the design of instruction; task analysis; curriculum development; instructional match; assessment of learning; types of assessment; and the alignment of curriculum, teaching, and assessment. (Fall, Spring, Summer)

## **EDUC 350 - Introduction to Birth through Kindergarten Education**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to provide an overview of child development and how the knowledge of growth and development is related to preparing appropriate experiences for birth through kindergarten children. Emphasis is placed on considering the child, family, and the community when planning curriculum experiences for preschool children.

## **EDUC 361 - Family Culture and School**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to help B-K professionals to understand the characteristics of families and the role families play in the lives of their children as their first teachers. Emphasis is placed on respecting different family structures and values. Strategies for dealing with children with learning disabilities, home language i.e., especially language which is different from the B-K professional's language is stressed. Ethnicity, at-risk, socio-economic and health care services will also be discussed. Candidates are required to complete the Military Family project.

**Prerequisite:** EDUC 350

### **EDUC 400 - The Middle School**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the basic principles, policies, and philosophies that undergird middle school education in the United States.

### **EDUC 421 - Principles of Secondary Education**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A comprehensive overview of the history and development of secondary education, the philosophy undergirding the knowledge base of the curriculum, and the influence of contemporary social forces in shaping the curriculum. (Fall and Spring)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDUC 433 - Methods and Materials for Teaching Mathematics in Middle Grades**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 2

An introduction to the knowledge base, teaching strategies, materials, and resources basic to middle grades mathematics education.

### **EDUC 434 - Current Issues and Trends in Early Childhood Education**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This capstone course is designed to provide 21st century Birth-Kindergarten teacher candidates with a global perspective of economic and social contexts that concern young children and their families in today's society. The focus of the course is to complete a Leadership Collaboration Project while examining current issues and

trends in the early childhood field.

**Prerequisite:** EDUC 308 and EDUC 350

### **EDUC 440 - Guidance and Counseling Practicum**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A practicum providing supervised counseling experiences in a true-to-life setting, with emphasis given to practical and applied aspects of counseling and various guidance activities.

### **EDUC 450 - Classroom Management**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

An introduction to strategies for facilitating learning through better classroom management, with emphasis on the role of parents in classroom management and on counseling techniques related to management strategies and parenting. (Fall and Spring).

### **EDUC 455 - Classroom Management and Principles of Secondary Teaching**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Candidates will develop values, confidence, assertiveness skills, decision-making skills in classroom management, concepts and practices that are appropriate for successful teaching. An exploration of evidence-based practices related to effective teaching in schools and the social, legal, and historical contexts in which those practices occur. The clinical field experience aspect of this course enables candidates to observe and participate in methods of teaching in specific content areas. These experiences include aspects of individualized and interdisciplinary teaching and learning; classroom management; legal aspects of teaching; cultural, ethnic, and minority concerns; and applications of other special methods to large and small groups of students.

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDUC 460 - Methods and Materials in Middle and Secondary School Subjects**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Candidates are introduced to instructional and professional practices, tools, and resources to design, implement, and assess learning experiences to facilitate effective teaching and learning of middle/ secondary school subjects (6-12). (Fall)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDUC 461 - Methods and Materials in Teaching Language Arts**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the teaching strategies, resources, and materials basic to middle grades (6-9) education.

### **EDUC 462 - Methods and Materials in Teaching Social Sciences**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the knowledge base, teaching strategies, resources and materials basic to middle grades social studies education.

### **EDUC 463 - Methods and Materials in Teaching Science**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A brief review of the scientific principles, laws, and concepts prescribed in the knowledge base for teachers of science in the middle grades (6-9), with emphasis on science units and lesson planning, laboratory demonstrations, experimental replication, and simulated teaching experiences.

### **EDUC 464 - Methods and Materials in Health and Physical Education**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to activities, teaching strategies, materials, and resources applicable to the physical education of students in grades K-12. Prerequisite: Admission to teacher education and permission of instructor.

### **EDUC 467 - Methods and Materials in Middle and Secondary School Subjects**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Candidates are introduced to instructional and professional practices, tools, and resources to design, implement, and assess learning experiences to facilitate effective teaching and learning of middle/secondary school subjects (6-12). (Fall)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDUC 480 - Clinical Experience in the Middle and Secondary Schools**

**Credit Hours:** 11

**Lecture Hours:** 0

**Lab Hours:** 11

The clinical experience in the public middle and secondary schools pairs candidates with 6-12 clinical educators in the classroom to further develop content knowledge, pedagogical content knowledge, pedagogical skills, and integrate technology in all areas to produce a positive impact on student learning. The goal of the clinical experience is to link theory and practice within the clinical setting to contextualize and cultivate knowledge, skills, and professional dispositions. (Spring)

**Prerequisite:** Admission to teacher education, clinical experience, and permission of instructor.

### **EDUC 490 - Professional Education Seminar**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A forum for discussions of teaching strategies, methodologies, materials, and experiences observed during the student-teaching experience and of such issues as mainstreaming, multicultural education, use of computers, new trends to facilitate learning in educational settings, and effective resume writing and interviewing techniques. (Fall and Spring)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **EDUC 497 - Clinical Experience in the Middle and Secondary Schools**

**Credit Hours:** 11

**Lecture Hours:** 1

**Lab Hours:** 10

The clinical experience in the public middle and secondary schools pairs candidates with 6-12 clinical educators in the classroom to further develop content knowledge, pedagogical content knowledge, pedagogical skills, and integrate technology in all areas to produce a positive impact on student learning. The goal of the clinical experience is to link theory and practice within the clinical setting to contextualize and cultivate knowledge, skills, and professional dispositions. (Spring)

**Prerequisite:** Admission to teacher education, clinical experience, and permission of instructor.

## **Elementary Education**

### **EDUC 291 - Educational Simulations**



**Credit Hours:** 1,2, or 3  
**Lecture Hours:** 1,2, or 3  
**Lab Hours:** 0

A course designed to enhance professional education competencies of traditional and non-traditional students using class discussions, simulations, computers, and interactive videos. Topics will include the following: test-taking skills, critical thinking skills, and related course content.

### **ELEM 320 - Teaching Healthful Living in K-6**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will provide 21st century K-6 teacher candidates with foundational knowledge and understanding of the need to develop and use healthful living choices. Teacher candidates will learn to make explicit connections to healthy choices that lead to the improvement of student learning, interpersonal and intrapersonal relationships, and overall quality of life.

### **ELEM 335 - Math for 21st Century K-6 Teaching Candidates**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides students with foundational knowledge and understanding of school mathematics. Content will include common mathematical knowledge, problem solving, reasoning and proof, number sense, numerical operations, spatial sense, patterns, relationships and functions, and algebraic thinking.

### **ELEM 400 - Teaching Communication Skills in K-6**

**Credit Hours:** 6  
**Lecture Hours:** 4  
**Lab Hours:** 2

This course is designed to introduce the basics of reading instruction with emphasis on emergent reading, the initial stages of reading development, and primary and intermediate reading programs. Also, it is designed to encourage the critical study of current practices, teaching methodologies, strategies, and resources for teaching language arts in the elementary school. Candidates will be required to complete a three-week clinical experience in an assigned elementary school.

**Prerequisite:** Admission to Teacher Education

### **ELEM 401 - Teaching Math and Science in K-6**

**Credit Hours:** 6  
**Lecture Hours:** 4  
**Lab Hours:** 2

In this course, K-6 teacher candidates develop their understanding of mathematical conventions and process skills as well as the principles of scientific inquiry. Emphasis is placed on the use of best practices that promote integrative teaching and inquiry based learning, such as problem solving, reasoning, communication, connection, representation, and debating issues involving science and technology from a global perspective. Candidates will be required to complete a three-week clinical experience in an assigned elementary school.

**Prerequisite:** Admission to Teacher Education

### **ELEM 402 - Social Studies and the Arts in Elementary Education**

**Credit Hours:** 6

**Lecture Hours:** 4

**Lab Hours:** 2

This course will provide K-6 teacher candidates with an in-depth focus on the alignment of the state standards and objectives from the elementary social studies and arts curriculum. Teacher candidates will also incorporate instructional strategies and research-based best teaching practices when designing lesson plans for specific learning segments. Candidates will be required to complete a three-week clinical experience in an assigned elementary school.

**Prerequisite:** Admission to Teacher Education

### **ELEM 451 - Classroom Management for Elementary Teachers**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 1

An introduction to the strategies for facilitating learning through effective classroom management, parent counseling, and guidance strategies for the elementary classroom. This course helps elementary pre-service and in-service teachers develop systematic strategies and techniques for effectively leading students to cooperate with the teacher and each other, and to be on task and engaged in planned learning activities. Field experience is required. (Fall, Spring).

### **ELEM 471 - Clinical Experience for Teacher Candidates in Elementary Education**

**Credit Hours:** 10

**Lecture Hours:** 0

**Lab Hours:** 0

This course is designed to be taken concurrently with ELEM 491: Elementary and Birth to Kindergarten Professional Seminar. It is developed to provide the prospective teacher candidate an opportunity to demonstrate skills in planning and in guiding the activities of children while being supervised and supported by experienced clinical educators (P-12 and EPP). It is the culmination of general education, professional education, ethical dispositions, specialty area courses, as well as early field experiences. Teacher candidates are assigned to partnership schools in local education agencies.

### **ELEM 491 - Elementary and Birth-Kindergarten Professional Seminar**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

A series of seminars on selected teacher education topics, to include teaching strategies, knowledge, skills, abilities, and documentation needed for the initial teaching year, and preparation for the assessments required for North Carolina licensure.

## **English**

### **ENGL 108 - English Grammar and Usage**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

This course introduces students to issues of grammar and usage within an integrated literacy program that includes reading, writing and speaking. Standard grammatical and rhetorical conventions are examined to assess their current significance for acceptable social expression, especially in academic prose.

### **ENGL 110 - English Composition I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course designed to give extensive practice in the writing process, with emphasis on expository forms appropriate to everyday personal, business, and academic writing. When taken for 4 credits, two lab hours are included.

### **ENGL 120 - English Composition II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course that continues practice in the composing process, with emphasis on argumentation and research. The course involves gathering, analyzing, and documenting information from secondary sources. When taken for 4 credit hours, two lab hours are included.

**Prerequisite:** ENGL 110

### **ENGL 211 - World Literature I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of major works of the Ancient World, the Middle Ages, and the Renaissance, focusing on representative genres.

**Prerequisite:** ENGL 110

## **ENGL 212 - World Literature II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A comparative study of major works of the Enlightenment, the Romantic Age, the period of Realism and Naturalism, and the Modern World.

**Prerequisite:** ENGL 110

## **ENGL 220 - African-American Literature I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An historical and critical exploration of African American writers' contributions to American fiction, poetry, drama, and non-fiction, beginning with writers of the 1700s and continuing through 1900.

**Prerequisite:** ENGL 110

## **ENGL 222 - History of the English Language**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An historical study of the nature of the language from its beginnings to the present.

**Prerequisite:** ENGL 110

## **ENGL 223 - African-American Literature II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of an historical and critical exploration of African American writers' contributions to American fiction, poetry, drama, and non-fiction, beginning with the 1900s and proceeding to the present.

**Prerequisite:** ENGL 110

## **ENGL 230 - Introduction to Linguistics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the inductive method of studying language, exploring the phonological, morphological, and syntactical aspects of language, dialectical variations, graphemics, sound, spelling, linguistic changes, bilingualism, field linguistics, psycholinguistics, sociolinguistics, uses of linguistics, and related topics.

**Prerequisite:** ENGL 110

### **ENGL 231 - Advanced Grammar**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A reinforcement of students' skills in grammatical analysis, focusing on the major theories of grammar and on the study of language acquisition in light of current research.

**Prerequisite:** ENGL 110

### **ENGL 232 - Introduction to Film and Visual Literacy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will introduce students to basic concepts in film and other visual media such as video and Internet imaging. The course introduces students to formal vocabulary and methodology for developing the ability to consider visual texts critically. Through understanding and application of the basic concepts of film language, students will learn how elements such as editing, lighting, and composition within the frame, cinematography, and sound combine to constitute filmic discourse. In order to understand development in these categories, consideration will be given to film history.

**Prerequisite:** ENGL 110

### **ENGL 233 - Hip Hop: Poetry, Politics, and Pop Culture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course draws connections between rap, oral traditions, and African American poetry. The course also explores hip hop's intersection with commerce, social policy, ethics, and civic engagement. Students will read articles, watch videos, and listen to podcasts addressing not only artistry, but also such issues as censorship, sexism, obscenity, social responsibility, and race politics in the U.S. as they relate to hip hop culture. Students will write essays, reports, and raps, and will also engage in service learning projects.

**Prerequisite:** ENGL 110

### **ENGL 234 - Storytelling for Video Games**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will introduce students to storytelling techniques used in video games and related media content. Students will critically analyze modes of storytelling in existing intellectual property, and they will learn to implement these strategies in team-oriented video game projects, especially relating to the field of eSports. Students in the course will gain relevant skills and preparation for a career in the video game and eSports industry.

**Prerequisite:** ENGL 110

## **ENGL 240 - Introduction to Literature**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the major genres of literature, with intensive work in developing the critical skills of reading, evaluating, and interpreting literary works and in writing critical papers about literature.

**Prerequisite:** ENGL 110

## **ENGL 241 - Editing and Proofreading**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The study and practice of writing and revising prose in multiple genres with emphasis on developing and adapting rhetorical patterns for particular audiences and effects and addressing common proofreading issues.

**Prerequisite:** ENGL 110

## **ENGL 250 - Women in Literature**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines the roles of women in literature as characters readers, and writers. Included in the readings are short stories, novels, novellas, essays, poetry, and drama, all by women and about women. The course will provide a historical overview of women's writing and will focus on the challenges of women writing, the creation and treatment of women's lives in literature, the form and content of women's writing, and the literary and feminist theories that discuss women's place in history and society by investigating the evolving conditions of women. Also the course examines how women represent themselves and what their expectations and hopes are for their own and daughters' futures.

**Prerequisite:** ENGL 110

## **ENGL 253 - Images of Women**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces students to traditional and nontraditional images of women as they have appeared in film, music, art, and literature of the nineteenth, twentieth, and twenty-first centuries. This course will encourage students to interrogate images of women in the popular culture of the present day.

**Prerequisite:** ENGL 110

## **ENGL 260 - North Carolina Writers**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of literature by writers who are from or have settled in North Carolina. The course draws from a range of novelists, playwrights, poets, and short story writers to engage students in a study of voices from across North Carolina who question, reflect, and define what it means to be North Carolinian.

**Prerequisite:** ENGL 110

## **ENGL 300 - Children's Literature**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to works of children's literature from a variety of ethnic origins and genres including folklore, myths, epics, biographies, fiction, poetry, and informational books.

**Prerequisite:** ENGL 110 and ENGL 120

## **ENGL 301 - Adolescent Literature**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of literature for and about the adolescent, examining reading programs and approaches to literature genres and modes characteristic of the literature, and essential elements of literary works for the adolescent.

**Prerequisite:** ENGL 110 and ENGL 120

## **ENGL 310 - Introduction to Folklore**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the forms, aesthetic characteristics, and social contents of oral literatures and folk traditions, folktales, legends, myths, folksongs, proverbs, riddles, customs, and beliefs.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 311 - English Literature I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey of the literature of England from the Anglo-Saxon period through the eighteenth century. Requirement for English majors.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 312 - English Literature II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of the survey of English literature, extending from the Romantic period to the present. Requirement for English majors.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 320 - The Renaissance**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the prose and poetry of representative authors of the Renaissance, including dramatists other than Shakespeare.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 321 - American Literature I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey of the major writers of America from the earliest efforts at colonization through the Civil War.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 322 - American Literature II**



**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of the major writers of America from the Civil War to the present. Requirement for English majors.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 323 - Literature of the Bible**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A literary overview of the Bible, with major emphases on the stylistic and formal influences of the Bible in world literature.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 330 - The Seventeenth Century**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of the metaphysical poets.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 331 - American English Dialects**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of dialectical variations in American English, emphasizing the reasons for historical, regional, and social variations in American English.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 335 - Publishing Studio**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This foundation course engages students in applying rhetorical principles, research methods, analytical skills, and technologies to problem-based writing projects that model communications challenges faced by professional writers in complex, real-world settings. Students will consider political, cultural, ethical, and practical issues relevant to professional writing.

**Prerequisite:** ENGL 110 and ENGL 120

## **ENGL 340 - Short Prose Fiction**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of representative modern British, American, and continental writers of the short story and the short novel, with emphasis upon the techniques of the genre. Course offered as needed.

**Prerequisite:** ENGL 110 and ENGL 120

## **ENGL 341 - Advanced Research and Argumentation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of rhetorical strategies, sentence combining, editing, logic and persuasion, diction, usage, and research methods.

**Prerequisite:** ENGL 110 and ENGL 120

## **ENGL 342 - Creative Writing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to various forms of modern fiction and poetry, with opportunities for the creation of original poetry and fiction.

**Prerequisite:** ENGL 110 and ENGL 120

## **ENGL 343 - Teaching and Tutoring Writing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of composition as a discipline and current issues in the field of teaching and tutoring writing in secondary school English classes. This course emphasizes effective teaching strategies for high school English composition.

**Prerequisite:** ENGL 110 and ENGL 120

## **ENGL 344 - Business and Professional Writing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course explores the principle of effective writing in business and administration with special focus on the elements of mechanics, organization, technical style, and documentation. Students will learn various forms of writing commonly used in business communications, such as business letters, memorandums, reports and proposals. The course emphasizes clarity, conciseness, organization, format, style, tone, and correctness.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 345 - Technical Writing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course explores effective writing in technical genres, with a focus on adjusting content, organization and style for various audiences including peer, managerial, and lay audiences. Students will examine and produce various technical documents, such as instructions or manuals and reports, and engage in usability testing and revisions of documents.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 346 - Creative Nonfiction Workshop**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will introduce students to the art and craft of writing creative nonfiction for publication. Students will focus on three subgenres within the discipline: reportage (editorial writing), the personal essay, and travel writing. The course is conducted as a workshop; thus, students will submit drafts of their work to their classmates, receive verbal and written feedback, and revise accordingly. Towards the end of the course, students will develop a portfolio of their work for grading and submit at least one revised work to a journal or magazine for publication.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 347 - Writing Children's Literature**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will provide students with an understanding of how to write for children in different literary genres and with an opportunity to create written manuscripts for children. The course will also consider issues and trends in the children's publishing industry.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 350 - Modern Poetry**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours: 0**

A study of British and American poetry from Whitman, Dickinson, and Hardy to the present, with emphasis on the major poets of the twentieth century.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 360 - Modern Drama**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A survey of works of major playwrights from Ibsen and Strindberg to contemporaries such as Pinter and Stoppard.

**Prerequisite:** ENGL 110 and ENGL 120

### **ENGL 370 - Special Topics**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course will vary according to the expertise and interest of the individual instructor and may be repeated under different topics or subtitles, e.g. an important author not covered elsewhere, a genre (detective fiction, perhaps), something interdisciplinary (literature and music), or a specific, focused ad hoc topic, for example, responses to school shootings. Non-English majors are encouraged to enroll.

### **ENGL 371 - Literary Theory and Criticism**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course will introduce students to contemporary trends in literary theory and criticism against the historical background, which contemporary theory is often a reaction against.

**Prerequisite:** ENGL 110

### **ENGL 380 - Legal Studies Seminar**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course introduces students to ethics and professional responsibility and helps students to develop their skills in logical reasoning, reading comprehension, and analytical reasoning. Students in the seminar will focus on preparing for a legal or paralegal career.

## **ENGL 381 - Legal Research and Writing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course helps students to develop research and writing skills and familiarize themselves with writing conventions associated with the legal profession. Students in the course will prepare case briefs, analyze statutes, and develop effective strategies for reading, commenting on, and citing legal documents.

## **ENGL 401 - Chaucer**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course on The Canterbury Tales and on other works selected from the Chaucer canon, with consideration of literary, social, religious and philosophical backgrounds of the time.

**Prerequisite:** ENGL 110 and ENGL 120 and Junior Standing

## **ENGL 409 - Sociolinguistics and Pragmatics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Sociolinguistics is the study of language in society, including dialectology, gender issues, politeness, language policy, and pedagogy. Pragmatics is the study of communication in context, including deixis, implicature, speech acts, metaphor, and other tropes. This course is cross-level listed with ENGL 509.

## **ENGL 411 - Shakespeare**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of selected major Shakespearean dramas, including comedies, histories, and tragedies, and of Shakespeare's development as a dramatist. Requirement for English majors.

**Prerequisite:** ENGL 110 and ENGL 120 and Junior Standing

## **ENGL 412 - Eighteenth Century**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of the major English writers from the Restoration - the age of Dryden, of Pope, and of Johnson to the

beginning of Romanticism and a study of the rise of the English novel in the eighteenth century.

**Prerequisite:** ENGL 110 and ENGL 120 and Junior Standing

## **ENGL 420 - Digital Rhetoric and Content Writing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course emphasizes the analysis and production of professional reports and presentations. Students will read, analyze, format for printing and transmission, draft, revise and edit reports in multiple formats, for multiple audiences, and for flexible purposes.

**Prerequisite:** ENGL 110 and ENGL 120 and Junior Standing

## **ENGL 431 - The Novel**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the novel as a literary mode with emphasis on selected major works.

**Prerequisite:** ENGL 110 and ENGL 120 and Junior Standing

## **ENGL 432 - Romantic Poetry and Prose**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the major British Romantics, with an examination of representative works by Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats in their cultural and critical contexts.

**Prerequisite:** ENGL 110 and ENGL 120 and Junior Standing

## **ENGL 470 - Senior Capstone Course**

**Credit Hours:** 4

**Lecture Hours:** 4

**Lab Hours:** 0

Directed study on special topics in English conducted by members of the Department.

**Prerequisite:** Senior Standing

## **ENGL 480 - Internship**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Supervised practical experience in a professional setting.

**Prerequisite:** ENGL 110 and ENGL 120 and Senior Standing

## **Engineering**

### **ENGR 101 - Introduction to Engineering and Problem Solving**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

This course provides general information on engineering disciplines, common engineering practices, the engineering profession and history, engineering education, engineering design, engineering ethics and engineering opportunities from the instructor and/or invited speakers. Preliminary work on a design project will be undertaken by student teams.

### **ENGR 102 - Introduction to Engineering Graphics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces the students to skills of effective communication through engineering drawing. Topics include drawing instruments, lettering, geometric drawing, freehand sketching, orthographic projection, CAD systems, and examples of actual engineering drawings.

### **ENGR 103 - Introduction to Computing Environments**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

This course introduces the students to the computing environments that enable engineering students to get familiar to the hardware/software used in performing computer related tasks. Topics include: basic operation of the computer operating systems; office application tools; engineering application tools; and web page creation. The course will emphasize the computing environment in the field of engineering computation so the students are ready when they transfer to the engineering departments of participating universities.

### **ENGR 201 - Engineering Statics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Basic concepts of forces in equilibrium are introduced. Distributed forces, frictional forces are discussed.

Inertial properties are analyzed in application to machines, structures, and systems.

**Prerequisite:** PHYS 125 and PHYS 125L and MATH 242 (may be taken concurrently)

## **ENGR 202 - Engineering Dynamics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to kinematics of particles in rectangular, cylindrical, and curvilinear coordinate systems; energy and momentum methods for particles; kinetics of systems of particles; kinematics and kinetics of rigid bodies in two or three dimensions; motion relative to rotating coordinate systems.

**Prerequisite:** MATH 242 and ENGR 201

## **ENGR 204 - Properties of Engineering Materials**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is an introduction to the fundamental physical principles governing the structure and constitution of metallic and nonmetallic materials and the relationship among these principles and the mechanical, physical, and chemical properties of engineering materials. The influence of the atomic and grain structure of structural materials on mechanical properties will be considered. The effects of mechanical and heat treatments on structure and properties of materials are examined. Fatigue and creep of materials, fracture toughness, mechanical and non-destructive evaluation, environmental effects are studied. This course also addresses design considerations as well as characteristics of metals, ceramics, polymers and composites.

**Prerequisite:** CHEM 141 and CHEM 141L and CHEM 161 and CHEM 161L and PHYS 125 and PHYS 125L

## **ENGR 206 - Probability and Statistics for Engineers**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is a calculus based introduction to probability and statistics with emphasis on Monte Carlo simulation and graphical display of data on computer workstations. Statistical methods include point and interval estimation of population parameters and curve surface fitting (regression analysis). The principles of experimental design and statistical process control are introduced.

**Prerequisite:** MATH 241

## **ENGR 214 - Solid Mechanics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0



Concepts and theories of internal force, stress, strain, and strength of structural elements under static loading conditions. Constitutive behavior for linear elastic structures is discussed. Deflection and stress analysis procedures for bars, beams, and shafts will be considered. Introduction to matrix, analysis of structures will be made.

**Prerequisite:** MATH 242 and ENGR 201 and ENGR 204 (may be taken concurrently)

## **Entrepreneurship**

### **ENTR 100 - Entrepreneurial Thinking**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

This course provides an introduction on how to think and act entrepreneurially. The course examines how creative and innovative thinking along with initiative allow the student to see and seize opportunities. This course also takes the approach that everyone (not just those who want to start businesses or enterprises) can benefit from understanding and applying an entrepreneurial mindset to any situation that demands change in their lives.

### **ENTR 300 - Entrepreneurial Discovery and Creativity**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will promote entrepreneurial thinking and explore a variety of problem solving approaches. Students will experience what it means to fully engage their brains to discover the patterns that produce breakthrough ideas. This course will explore the creative process and help students identify their own creative problem-solving styles.

### **ENTR 301 - Entrepreneurship and New Venture Creation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Using applied economics and business principles, this course focuses on issues that face entrepreneurs who start new enterprises or create new ventures within existing firms. The topics covered in the course include the evaluation of new venture ideas; the planning, formulation and implementation of strategies for creating new ventures and finally the evaluation of economic conditions and the financing of new ventures. This course is cross listed with ECON 301.

**Prerequisite:** ECON 212 and ACCT 211

### **ENTR 303 - Entrepreneurial Strategy and Opportunity Analysis**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides a foundation for the analysis of entrepreneurial opportunities. The course reviews a variety of strategic considerations derived from managerial economics, industrial organization and entrepreneurial finance in the context of specific entrepreneurship cases. This course is cross listed with ECON 303.

**Prerequisite:** ACCT 211 and ECON 212

## **ENTR 312 - Entrepreneurial Marketing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course clarifies key marketing concepts, methods, and strategic issues relevant for start-up and early-stage entrepreneurs. Topics addressed include: (1) Marketing issues facing entrepreneurs today; (2) Identification and evaluation of marketing opportunities; (3) Achieving competitive advantages given limited marketing resources, and (4) Major marketing/sales tools that are useful in an entrepreneurial setting. This course is cross listed with MKTG 312.

**Prerequisite:** MKTG 311

## **ENTR 350 - Entrepreneurship**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the creation, growth, or acquisition of business through entrepreneurial efforts, the nature of the entrepreneurship process, and the organization of growth oriented acquisitions.

**Prerequisite:** MGMT 311 and FINC 311 and MKTG 311

## **ENTR 415 - Entrepreneurial Finance**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will help students to develop the understanding and skills necessary to become more effective stewards of their small business finances. This course integrates all aspects of planning using finances in a person's small business. It incorporates the preparation of a financial plan for a small business that involves the preparation of balance sheets, income statements, sources of financial resources and the various forms of business ownership. Various techniques and tools will be reviewed, as will the understanding of income tax laws and their impact on small business. This course is cross listed with FINC 415.

**Prerequisite:** FINC 311

## **ENTR 450 - Small Business Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The process of managing a small business including planning, marketing, production, finance, organization, personnel, and pragmatic issues in real situations.

**Prerequisite:** MGMT 311 and FINC 311 and MKTG 311

## **ENTR 460 - Seminar in Entrepreneurship and New Venture Creation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Study and analysis of contemporary issues and entrepreneurship and the creation of new ventures. The issues covered in the course may include the economic theory of entrepreneurship, entrepreneurial opportunities and risks caused by economic change, the role of creativity and innovation in the economy, entrepreneurial strategy, the identification of new venture opportunities, and case studies of entrepreneurs and entrepreneurial ventures.

## **Ethics and Civic Engagement**

### **ETCE 101 - Foundations of Ethics and Civic Engagement**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

This course provides an introductory foundation for students' orientation to civic engagement, social action, and the relationship between learning and engaged citizenship. The course also introduces students to the contexts, issues, skills, and experiences of citizenship and civic leadership in a democratic society. Finally, the course assists students with developing students' readiness to accept personal and social responsibility, as well as their preparation for responsible citizenship.

### **ETCE 102 - Intermediate Ethics and Civic Engagement in Action**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

This course builds upon the foundation of students' orientation to civic engagement, social action, and the relationship between learning and engaged citizenship developed in ETCE 101. The focus of this course is to introduce students to the contexts, issues, skills, and experiences of citizenship and civic leadership in a democratic society. Finally, the course assists students with developing students' readiness to accept personal and social responsibility, as well as their preparation for responsible citizenship.

**Prerequisite:** ETCE 101 or instructor permission

### **ETCE 103 - Advanced Ethics and Civic Engagement in Action**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

This course builds upon the foundation of students' orientation to civic engagement, social action, and the relationship between learning and engaged citizenship developed in ETCE 101. The course also builds upon ETCE 102's introduction of students to the contexts, issues, skills, and experiences of citizenship and civic leadership in a democratic society. The focus of this course is to assist with developing students' readiness to accept personal and social responsibility, as well as their preparation for responsible citizenship.

**Prerequisite:** ETCE 102 or instructor permission

## **ETCE 200 - Ethics and Civic Engagement in Action**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides a foundation for students' orientation to civic engagement, social action, and the relationship between learning and engaged citizenship. The course also introduces students to the contexts, issues, skills, and experiences of citizenship and civic leadership in a democratic society. Finally, the course assists students with developing students' readiness to accept personal and social responsibility as well as their preparation for responsible citizenship.

## **Fire and Emergency Services Administration**

### **FESA 322 - Fire Investigations**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course intended to provide the student with advanced technical knowledge on rules of law, fire scene analysis, fire behavior, evidence collection and preservation, scene documentation, case preparation and testifying. Open to Fire and Emergency Services Administration majors only.

### **FESA 345 - Firefighter Fitness and Wellness**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

This course is applied in nature and is directed at enhancing the physical and mental health of the participant through the application and understanding of the cardio-muscular fitness requirements of the modern firefighter. It also provides an overview of the ramifications of emergency worker stress and potential coping strategies that can be utilized to cope with work induced stress. This course will enable the participant to design a personal and/or work-team fitness regime. Open to Fire and Emergency Services Administration majors only.

## **FESA 350 - Fire Prevention Organization and Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines the factors that shape fire risk and the tools for fire prevention, including risk reduction education; codes and standards; inspection and plans review; fire investigation; research; master planning; various types of influences; and strategies. Open to Fire and Emergency Services Administration Majors only.

## **FESA 360 - Applied Fire Service Ethics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Ethics in the provision of fire, rescue, and emergency medical services are challenging and complex. No other government services are granted the same degree of public trust. This course increases student proficiency in making ethical decisions in the provision of emergency service. Students will discover how to consider problems in terms of their ethical implications. Students will also learn a model for making ethical decisions. Open to Fire and Emergency Services Administration majors only.

## **FESA 377 - Fire-Related Human Behavior**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An exploration of the dynamics of human behavior in fire incidents. The functions and implementation of prevention practices, program, codes, and ordinances are stressed. The concepts of risk, personal invulnerability, role, and group dynamics are examined in relation to design aspects of buildings and mitigation of the effects of fire on modern society. Discussion deals with proper ways of conducting post-fire interviews and emphasizes the psychological effects of communications during emergencies. Open to Fire and Emergency Services Administration majors only.

## **FESA 390 - Fire Dynamics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is an examination of the dynamics within the context of firefighting and its application to fire situations. Course includes the examination of fire, including combustion, flame spread, flashover, and smoke movement; applications to building codes; large-loss fires; and fire modeling through a consideration of the physics and chemistry of fire and combustion. Open to Fire and Emergency Services Administration majors only.

## **FESA 400 - Political and Legal Foundations of Fire Protection**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of the legal, political, and social aspects of the government's role in public safety, including the American legal system, fire department operations, employment and personnel issues, fire officials' roles, and legislative and political influence. Open to Fire and Emergency Services Administration majors only.

## **FESA 402 - Managerial Issues in an All Hazards Environment**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines regulatory issues, hazard analysis, multiagency contingency planning, response personnel, multiagency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation. Open to Fire and Emergency Services Administration majors only.

## **FESA 412 - Advanced Fire Administration**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines organizational and leadership tools for fire service administrators, including community approaches to administration, core skills, planning and implementation, leading change, and community management. Open to Fire and Emergency Services Administration majors only.

## **FESA 421 - Incendiary Fire Analysis and Investigation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines technical, investigative, legal, and managerial approaches to the arson problem, including principles of incendiary fire analysis and detection, environmental and psychological factors of arson, gang-related arson, legal considerations and trial preparations, managing the fire investigation unit, intervention and mitigation strategies, and shaping the future. Open to Fire and Emergency Services Administration majors only.  
**Prerequisite:** FESA 322 or permission of program director

## **FESA 422 - Applications of Fire Research**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of the rationale for conducting fire research, various fire protection research activities, and research applications, including fire test standards and codes, structural fire safety, automatic detection and suppression, life safety, and firefighter health and safety. Open to Fire and Emergency Services Administration majors only.

### **FESA 430 - Fire Service Personnel Administration**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Basic and advanced concepts and processes of designing, implementing, and administering the personnel functions of fire service organizations. Emphasis is placed on human resource planning, job classification, job analysis, equal opportunity organizations and resources, affirmative action, recruitment, retention, development, performance evaluation, and assessment centers. Open to Fire and Emergency Services Administration majors only.

### **FESA 440 - Fire Service Organizational Dynamics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An exploration and examination of organizational dynamics, including organization culture as it applies to the American fire service. Knowledge gained through this course will assist the fire service administrator in solving complex organizational challenges. The focus will be on the many varieties of theories about public organizations; the consideration of the relationship between theory and practice; and the development of a coherent, integrated understanding of fire service organizations. Open to Fire and Emergency Services Administration majors only.

### **FESA 441 - Topics in Fire Department Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course designed to cover contemporary topics of interest in the area of fire department administration. Open to Fire and Emergency Services Administration majors only.

### **FESA 455 - Community Risk Reduction for Fire and Emergency Services**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours: 0**

This course provides a theoretical framework for the understanding of the ethical, social, organizational, political, and legal components of community risk reduction, as well as a methodology for the development of a comprehensive community risk reduction plan. Open to Fire and Emergency Services Administration majors only.

### **FESA 490 - Fire Service Internship**

**Credit Hours: 6**

**Lecture Hours: 0**

**Lab Hours: 0**

An experience that offers an opportunity to apply content learned in the classroom to complete a project in management or investigation in the workplace. Open to Fire and Emergency Services Administration majors only. This course is cross-listed with ACCT 450, BADM 430, ECON 450, FINC 453, and HCM 490.

**Prerequisite:** Completion of a majority of Core Curriculum requirements and permission of program director.

## **Finance**

### **FINC 100 - Financial Literacy**

**Credit Hours: 2**

**Lecture Hours: 2**

**Lab Hours: 0**

This course examines basic financial terms and concepts and is designed to provide students with some of the skills and knowledge that they need to manage their finances and be informed consumers. Topics covered include savings, credit and debt; budgeting; student loans; credit cards; insurance; buying a car; your first house, etc.

### **FINC 311 - Principles of Finance**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A course in basic financial management, including the study of the nature of financial management, financial analysis, working capital management, and long-term investment decisions.

**Prerequisite:** ACCT 211 and (ECON 211 or ECON 212)

### **FINC 320 - Financial Management**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**



A continuation of FINC 311 emphasizing the use of analytical tools dealing with capital budgeting, capital structure, dividend policy, cost of capital with consideration of long-term financing, expansion, and problems of small businesses in connection with decision-making techniques.

**Prerequisite:** FINC 311

### **FINC 323 - Money, Banking, and Monetary Policy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A formal examination of the role of money, banking, and financial institutions, as well as rudimentary discussion of monetary policy issues in the domestic and international economies. This course is cross listed with ECON 322.

**Prerequisite:** ECON 211 and ECON 212 and MATH 123

### **FINC 330 - Personal Finance**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of problems of money management, with special attention to credit borrowing, saving and funds allocation among stocks, bonds, insurance, property, and mutual investment companies.

### **FINC 336 - Healthcare Finance**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course focuses on the financial assessment, acquisition, allocation, and control of financial aspects of health care organizations. Topics include application of financial management principles to the unique decision-making in healthcare industry, budgeting processes, cost allocation, fees structure, and management control process.

**Prerequisite:** FINC 311

### **FINC 340 - Risk Management and Insurance**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A focus on the identification, analysis, and measurement of potential losses and on the alternative methods of managing them, with risk management being treated broadly and insurance treated in depth as a method of risk transfer.

**Prerequisite:** FINC 311

## **FINC 350 - Real Estate**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A presentation of the fundamental economic aspects of real property, with special attention to the changing character of the urban economy and its effect on land values and land utilization.

## **FINC 354 - International Trade and Finance**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of the theories of international trade, balance of payment, exchange rate determination, international portfolio investment (including currency swaps, options and futures) international financial management (global cost, budgeting, and capital flows) and related monetary issues. This course is cross listed with ECON 351.

**Prerequisite:** ECON 211 and ECON 212

## **FINC 360 - Principles of Risk Management and Insurance**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introductory study of the risk management process and the importance of insurance as a method of handling risk. This course is designed to generate an awareness of the nature of risk, its effects on individual and business decisions, and the methods available for treating risk. Course content includes property insurance, auto insurance, life and health insurance, workers compensation and employee benefits. Relationships between risk management and other functional areas of business are also considered.

**Prerequisite:** FINC 311

## **FINC 410 - Investments**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of portfolio models and theories; factors affecting corporate and other securities as portfolio choices; the organization of capital markets and the analysis and evaluation of securities.

**Prerequisite:** FINC 311

## **FINC 411 - Investment Analysis**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours: 0**

This course provides an introduction to fixed income markets in the world. These markets include dealings in government, corporate debt instruments, mortgages, OTC (over-the counter) and exchange traded securities. The course topics include: the description and analysis of fixed income instruments; term structure of interest rates theory; evaluation of fixed income securities; portfolio management; asset backed securities; dynamic investment strategies; and other topics of current relevance to these markets.

**Prerequisite:** FINC 410

### **FINC 412 - Security Analysis**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course provides an overview of the securities industry and the different types of securities available for inclusion in a portfolio. Consistent with some objective a more detailed approach is then applied to evaluation of the different classes of securities.

**Prerequisite:** FINC 410

### **FINC 415 - Entrepreneurial Finance**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course will help students to develop the understanding and skills necessary to become more effective stewards of their small business finances. This course integrates all aspects of planning using finances in a person's small business. It incorporates the preparation of a financial plan for a small business that involves the preparation of balance sheets, income statements, sources of financial resources and the various forms of business ownership. Various techniques and tools will be reviewed, as will the understanding of income tax laws and their impact on small business. This course is cross listed with ENTR 415.

**Prerequisite:** FINC 311

### **FINC 420 - Commercial Bank Management**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of the fundamental principles underlying the management of a commercial bank; capital funds; assets and liability management; value maximization; legal and operational constraints.

**Prerequisite:** FINC 311

### **FINC 424 - Financial Statement Analysis**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a study of the process of business analysis through the evaluation of financial statements. Topics include analysis of financial statements and ratio, strategic, prospective, equity, and credit analysis. This course presumes an understanding of finance and accounting principles in order to successfully master the course content. While some finance and accounting concepts may be reviewed, this course is about the analysis and evaluation of financial information. Students must be able to express the analysis of cases and other course work in writing that meets professional standards. This course is cross listed with ACCT 424.

**Prerequisite:** ACCT 211 and ACCT 212 with a grade of B or better and FINC 311 with a grade of C or better.

### **FINC 430 - Seminar in Banking and Finance**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of contemporary issues in Finance with areas of analysis drawn from corporate finance, investments, and financial markets and institutions.

**Prerequisite:** FINC 320

### **FINC 431 - Options and Futures**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This is an introductory course in financial futures and options. The course topics include: the description of futures, forward, and options markets; the determination of forward and future prices, interest rate and currency futures and swaps; properties of stock options; valuation of stock options with Binomial and Black-Scholes models; other types of options including stock index options, options on futures, and interest rate options; and hedging strategies using futures and options.

**Prerequisite:** FINC 410

### **FINC 440 - International Financial Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines factors that are critical to the financial decision making process in a global economic environment. Our approach will be from the perspective of a financial manager in private business enterprise.

**Prerequisite:** FINC 320

### **FINC 450 - Financial Markets**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course in macro-finance which focuses on financial markets and the financial institutions that serve them. Money and capital markets and their role in the savings and investment are considered. Topics such as the market for loanable funds, flow-of-funds accounts, and securitization are covered.

**Prerequisite:** FINC 311

### **FINC 453 - Economics and Finance Internship**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A practical course enabling students to apply their theoretical knowledge of economics/finance to real situations and to gain practical experience in business, financial industry, and government institutions. This course is cross-listed with ACCT 450, BADM 430, ECON 450, FESA 490, and HCM 490.

### **FINC 460 - Current Problems of Banking**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is intended to survey the current condition of the banking industry. Special emphasis is placed on topics and issues that are most relevant to students preparing to begin careers in banking and related fields.

### **FINC 461 - Corporate and Financial Risk Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines how corporations approach the problem of dealing with risks in today's complex marketplace. Emphasis is given to the economic impact of risk on the firm, concentrating on minimizing the cost of risk regardless of the source. Consideration is given to the various sources of risk classifications including hazard risk, operational risk, strategic risk, and financial risk. Alternative methods of dealing with, managing, and financing risk are considered. Methods include loss prevention, risk retention, insurance purchasing, and risk financing techniques available through the capital markets. We also discuss today's global marketplace and the risks faced by multinational firms.

**Prerequisite:** FINC 360

### **FINC 462 - Employee Benefits and Retirement Planning**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours: 0**

Provides an analysis of group plans (e.g., medical, life, disability, and retirement), stock options, profit sharing plans and statutory benefits (e.g., workers' compensation and social security). Includes a review of legislation affecting these plans. Non-traditional plans (e.g., child care, flex time, and wellness programs) are also examined.

**Prerequisite:** FINC 311

### **FINC 463 - Commercial Property and Liability Insurance**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

Provides a comprehensive examination of commercial property and liability insurance including commercial property and commercial liability risk management; the legal environment of property and liability insurance; and property and liability insurance function, practices and issues.

**Prerequisite:** FINC 311 and BADM 209

### **FINC 464 - Life Insurance and Professional Financial Planning**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course explains the integration of Social Security benefits, employer provided retirement and health insurance benefits, and individually purchased life insurance and investments into a comprehensive financial plan. Students successfully completing this course should understand the need for and main techniques of financial planning in contemporary U.S. society.

**Prerequisite:** FINC 320

## **Foreign Language**

### **FORL 210 - Foreign Language I**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course is an introduction to a designated foreign language, and is intended for students with no prior knowledge of the language and culture it represents. Emphasis will be placed on the basic language skills

(comprehension, speaking, reading, and writing) and culture. Course may be repeated for credit for different languages.

## **FORL 220 - Foreign Language II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a continuation of FORL 210. FORL 220 will continue to improve on the language and cultural knowledge and skills acquired in FORL 210 with emphasis on comprehension, speaking, reading, and writing, as well as pragmatics.

**Prerequisite:** FORL 210

## **FORL 250 - Literature in Translation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a survey of the literature written in foreign language but studied in English translation. It differs from ENGL 211, ENGL 212 in that they survey a wide variety of literary works originally in several languages while FORL 250 focuses on the literature of a single language. Students may take FORL 250 more than once for credit if taken in different languages.

**Prerequisite:** ENGL 110 and ENGL 120

## **Forensic Science**

### **FORS 200 - Introduction to Forensic Science**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces the basic principles and relationships between the applications of chemistry, biology, and physics to forensic science as they relate to the criminal investigative process. The course is designed to give students insight into the many areas of forensic science and to study the newest techniques used by forensic laboratories.

**Prerequisite:** CHEM 141 and CHEM 141L and CHEM 161 and CHEM 161L and BIOL 150 and BIOL 150L

**Corequisite:** PHYS 115 and PHYS 125L (may be taken concurrently) or PHYS 116 and PHYS 126L (may be taken concurrently)

### **FORS 250 - Crime Scene Investigation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces students to the theories and practices of crime scene processing. Topics will include evidence search and recovery, documentation of the scene, collection and preservation of evidence, and evidence submission to a crime laboratory. This course will provide a brief introduction to crime scene photography and crime scene reconstruction.

**Prerequisite:** FORS 200

### **FORS 300 - Forensic Professional Practice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides basic knowledge of quality assurance and quality control, professional certification, and membership in professional organizations. In addition, the ethical issues relating to pre-trial discovery procedures, courtroom testimony, and qualifications of expert witnesses will be presented. Lastly, the course will discuss professional development, ethical considerations for experimental designs, and technical writing.

**Prerequisite:** FORS 200

### **FORS 325 - Molecular Biology**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 2

An in-depth study of the structure, function, and biochemistry of proteins and nucleic acids. Isolation, purification and structural modification of DNA and protein in laboratory exercises will be utilized to provide an understanding of the various DNA/protein methodologies and their applicability to forensic science. This course is cross listed with BIOL 325 and BTCH 360.

**Prerequisite:** BIOL 200 and BIOL 200L and CHEM 223 and CHEM 223L and CHEM 225 and CHEM 225L

### **FORS 325L - Molecular Biology Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

Laboratory exercises will focus on isolation, purification, and structural modifications of DNA and proteins to provide an understanding of the nucleic acids and protein methodologies and their application in research and industry. Cross listed with BIOL 325L.

**Prerequisite:** BIOL 200 and CHEM 223 and CHEM 223L and CHEM 225 and CHEM 225L

### **FORS 371 - Latent Print Examination**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2



This course introduces students to the basic elements of fingerprint development and lifting from evidence found at crime scenes. Friction ridge analysis and comparison using Level I, II, and III characteristics will be covered. In addition, the use of forensic technology and databases will be introduced.

**Prerequisite:** FORS 200

### **FORS 375 - Crime Scene and Latent Evidence Analysis**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

This course introduces students to the theories and practices of crime scene processing, and the basic elements of fingerprint development. Topics will include evidence search and recovery, documentation of the scene, collection and preservation of evidence, and evidence submission to a crime laboratory. This course will provide a brief introduction to crime scene photography, friction ridge analysis and comparison, and the use of forensic technology and databases.

**Prerequisite:** FORS 200

### **FORS 400 - Forensic Microscopy**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

This course will familiarize students with the microscopy equipment common to most modern crime labs. The course will enable students to select mode-appropriate equipment and techniques and to make basic observations of the physical and optical properties of common evidential materials. This class is an introduction to microscopic analysis, identification, and characterization of materials, such as glass, hair, fiber, paint, and soil.

**Prerequisite:** FORS 200 and PHYS 116 and PHYS 126L

### **FORS 431 - Population Genetics**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 2

A study of genetic and ecological forces that influence the structure of populations with two (2) hours of laboratory exercises and experimental studies. Students will evaluate the effects of random genetic drifts, mutations, natural selection, inbreeding, assortative mating, molecular evolution and quantitative/ecological genetics on populations. This course is cross listed with BIOL 431.

**Prerequisite:** BIOL 310 and ZOOL 310L

### **FORS 455 - Forensic Biology (Serology/ DNA)**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

This course will introduce the concepts, theories, and principles used in the forensic identification of biological materials. The course will focus biological fluids confirmation and species origin such as blood, saliva, semen, as well as to determine individualization of biological fluids using DNA typing. Hands on laboratory techniques will be used to identify biological fluids for human origin. Further to process biological materials for DNA extraction, quantitation, amplification, profiling, and interpretation. The course introduces laboratory methods, techniques, and instrumentation used similar in forensic laboratories.

**Prerequisite:** FORS 200 and FORS 300 and FORS 325 and FORS 375 and FORS 400

## **FORS 460 - Capstone**

**Credit Hours:** 4  
**Lecture Hours:** 0  
**Lab Hours:** 8

This course will evaluate students' overall understanding and mastery of forensic science and criminal justice theories and applications of various laboratory techniques for evidence identification, application of analytical techniques, and communication skills. The course will enable students to select the most appropriate equipment and techniques to make basic observations of physical evidence and test this evidence by using the appropriate equipment and techniques of evidential materials analysis.

**Prerequisite:** FORS 200 and FORS 300 and FORS 400 and FORS 455

**Corequisite:** FORS 431

## **French**

### **FREN 110 - Elementary French I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the language, literature, and culture of French-speaking peoples, with emphasis on the basic language skills. Laboratory practice required.

### **FREN 111 - Elementary French (Honors)**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the language, literature, and culture of French speaking peoples, with treatment in greater breadth and depth than in French 110. Laboratory practice required. Admission based upon an entrance examination, previous study, and other relevant experiences.

## **FREN 120 - Elementary French II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of studies in the language, literature, and culture of French speaking peoples begun in FREN 110, including further development of the basic language skills, with special attention to improving oral language skills. Laboratory practice required.

**Prerequisite:** FREN 110

## **FREN 121 - Elementary French II (Honors)**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of honors studies in the language, literature, and culture of French-speaking peoples begun in FREN 111, including further development of the basic language skills, with special emphasis on increasing proficiency in oral language skills. Laboratory practice required. Admission based upon an entrance examination, previous study, and other relevant experiences.

## **FREN 211 - Intermediate French I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Intermediate level studies of the language, literature, and culture of French speaking peoples, including further development of the basic language skills, with increased emphasis on reading comprehension and writing in French. Laboratory practice required.

**Prerequisite:** FREN 120

## **FREN 212 - Intermediate French II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of intermediate level studies of the language, literature, and culture of French-speaking peoples, including further development of the basic language skills, with special emphasis on idiomatic usages and complex grammatical structures. Laboratory experience required.

**Prerequisite:** FREN 211

## **FREN 311 - French Conversation I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course focusing on increasing fluency in conversational French. Laboratory practice required.

**Prerequisite:** FREN 212

## **FREN 312 - French Conversation II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Conversation and Composition: A course focusing on developing the level of proficiency in the basic language skills necessary to complete advanced courses taught exclusively in French.

**Prerequisite:** FREN 311

## **FREN 321 - French Civilization and Culture**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the civilization, culture, and history of French speaking peoples, with attention given to the life, customs, philosophy, art, music, and general patterns of culture. Taught exclusively in French.

**Prerequisite:** FREN 212

## **FREN 322 - Survey of French Literature I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of representative French literary works from earliest times to 1800. Taught exclusively in French.

**Prerequisite:** FREN 321

## **FREN 331 - Survey of French Literature II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of representative French literary works of the nineteenth and twentieth centuries. Taught exclusively in French.

**Prerequisite:** FREN 321

## **Geography**

## **GEOG 110 - Environmental Literacy**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

An introductory course on the impact human beings have on the environment as well as the basic relationship between our environment and environmental policy. The course will discuss local, regional, and global environmental issues such as food resources, water resources, and energy resources. The focus will be on the transition to university life and campus resources that support sustainability for students as members of the campus community.

## **GEOG 200 - Weather and Climate**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Students will learn about the types and patterns of weather and variation and distribution of climatic regions. Emphasis is placed on the understanding of atmospheric composition, clouds, precipitation, and wind. Weather systems, fronts, and storms will be discussed. Interactions between the atmosphere and the earth in terms of current climate and long-term climatic variation and anthropogenic changes to weather and climate will be explored.

## **GEOG 210 - Principles of Geography**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introductory study of the physical and cultural elements of the surface of the earth, emphasizing the geographic relationships and surveying the interaction between human beings and their physical environment.

## **GEOG 220 - World Regional Geography**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A geographical study of the world by realms or regions and of the basic relationship between the physical and cultural elements within the major realms of the world, with a detailed study of some selected regions.

## **GEOG 250 - Basic Map Reading**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introductory map-reading course, with emphasis on map interpretation techniques and on the most commonly used types of maps and their interpretations.

## **GEOG 260 - Population Geography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the patterns of population distribution on the surface of the earth, emphasizing patterns of population growth, density, and movement and alterations related to changes in selected socioeconomic and cultural phenomena.

## **GEOG 270 - Human Beings and the Environment**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of the interaction between human beings and the environment on the surface of the earth, with attention to specific types of ecosystem degradation and to solutions of resulting problems.

## **GEOG 300 - Medical Geography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The geographic study of human ecology and health on the surface of the earth, with an analytical study of the world patterns of disease distribution and their cultural/environmental interactions, as well as alterations of disease patterns because of developments in various cultures.

## **GEOG 310 - Economic Geography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A geographic analysis of the distribution of economic activities on the surface of the earth, with emphasis on present-day patterns and trends of production, distribution, and utilization of the world's major commodities.

## **GEOG 311 - Spatial Thinking and Data Visualization**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces fundamental geospatial concepts as well as geospatial data visualization principles and techniques that provide students the ability to describe, generate, and evaluate visualization products (maps, graphs, charts) representing both the physical and human landscapes that are essential to a wide range of applications from physical and human geography to environmental science, biology, history, sociology, public health, business, and intelligence studies.

### **GEOG 312 - Advanced Cartography**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of advanced principles and techniques of map and graphic construction and interpretation.

### **GEOG 313 - Aerial Photo Interpretation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the basic principles of aerial photographic mapping and the interpretation of aerial photos in terms of both physical and cultural/human geography, with emphasis on detecting and identifying the natural/physical and human/cultural elements of the geographic complex on the surface of the earth from the perspective of space.

### **GEOG 314 - Introduction to Remote Sensing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introductory study of remote sensing, emphasizing its application to environmental and land use analyses of the earth.

### **GEOG 316 - Computer Cartography**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the cartographical uses of computers and computer graphics, with emphasis on applications of computer mapping to geographic phenomena and problems.

### **GEOG 317 - Computer Techniques in Geography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course emphasizing computer usage and techniques applicable to studies of the geographical phenomena on the surface of the earth and to the study of geography as an academic subject.

### **GEOG 320 - Introduction to Geographic Information Systems**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introductory course covering the theory and application of Geographic Information Systems (GIS) This course includes an overview of general principles of GIS and practical experience in its use.

### **GEOG 321 - Geography of the Soviet Union**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the physical features, natural resources, population distribution, and human/cultural geography of the Soviet Union across time.

### **GEOG 322 - Geography of Latin America**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A regional study of the physical environmental conditions, natural resources, economic development, and social and political conditions of Latin American countries.

### **GEOG 325 - Applied Geographic Information Systems**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces advanced concepts and techniques in GIS, such as geospatial topology, geospatial data storage frameworks, geodatabases, geoprocessing, digital elevation model, advanced vector and raster analysis, network analysis, terrain analysis, and others that allow students to efficiently resolve complex geospatial problems. This course is project oriented, allowing students to maximize their experience in associating GIS functions to real-world scenarios.

**Prerequisite:** GEOG 311 or GEOG 320 or instructor permission



## **GEOG 330 - Geography of Africa**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A geographic study of the continent of Africa, with differentiating descriptions of its countries and regions, its distinctive character in comparison with other continents, and its current problems and developments.

## **GEOG 340 - Cultural Geography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of human experience as it occurs in different natural settings, with analyses of symbolic and material elements of culture, focusing on those areas with landscape and environment manifestations and using specific case studies to determine how processes such as innovation, diffusion, and cultural change function.

## **GEOG 350 - Physical Geography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of the physical systems and features of the earth, with emphasis on detailed analyses of systematic functions and interrelations of the geophysical processes of the earth's physical/natural environment.

## **GEOG 360 - Climates**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of world climatic patterns with emphasis on the classification and distribution of various types of climates on the surface of the earth and their influence on human beings.

## **GEOG 370 - Introduction to Meteorology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introductory study of the atmospheric phenomena of weather, emphasizing analyses of the weather elements, weather production processes, and techniques of weather forecasting.

## **GEOG 400 - Introduction to City and Regional Planning**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A study of the principles, concepts, and reality of city and regional planning from the past to the present, with emphasis on urbanization and planning, and on analyses of current urban problems and forces responsible for urban and regional growth.

### **GEOG 411 - Industrial Geography**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A study of manufacturing regions and major industries of leading industrial nations of the world, with attention to factors relating to the nature, location, and development of manufacturing industries.

### **GEOG 412 - Ecological Biogeography**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A geographic study of the ecological system of the earth and the relationship of earth's organisms to their environment, with special attention to the effects of human activities on the ecosystem.

### **GEOG 421 - Geography of the South**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An analytical study of the physical, historical, economic, social and cultural environment of the present day southern United States, acquainting students with the geography of the South and with the distinctive and changing character of the South.

### **GEOG 430 - Geomorphology**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An examination of the geomorphological processes and factors creating and affecting the development of the natural landscape of the earth.

### **GEOG 431 - Political Geography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the geographical nature of political states, emphasizing their organization, power, and boundaries, and the geographic influences on their internal and external relations, with additional attention to concepts of geopolitics and associated contemporary problems.

### **GEOG 440 - Urban Geography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A geographical survey of the internal and external spatial relationships of cities and city systems, with special emphasis on patterns of growth, distribution, and functioning within and among cities in various parts of the world, particularly in the United States.

### **GEOG 480 - Seminar in Geography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Research in geographic thought and concepts and their practical applications, with emphasis on quantitative and empirical analyses of some specific problems of physical and cultural/human elements of the earth's environment from perspectives of geographic research.

### **GEOG 485 - Capstone Seminar in Geospatial Intelligence (GEOINT)**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This capstone course prepares students for transitioning from college to professional lives. Students will conduct systematic analyses of the GEOINT discipline through readings, writings, and discussions. Students will also conduct senior-level GEOINT projects with topics that vary from resource management and hazard management and response to homeland and national security and safety.

**Prerequisite:** (GEOG 311 or GEOG 320 ) and GEOG 314 and INTL 200

### **GEOG 490 - Geography Internship**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The internship offers students the ability to apply subject matter learned in the classroom to real world settings.

Students gain experience in the workforce and can use the skills acquired in this course in future employment opportunities.

**Prerequisite:** GEOG 320 or Permission of instructor

## **Geology**

### **GEOLOGY 311 - Introduction to Geology I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introductory course in physical geology concerned principally with the composition of the earth's crust and the processes that act to change its upper surface.

### **GEOLOGY 312 - Introduction to Geology II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of GEOLOGY 311, including studies of the active internal processes of the earth, such as plate tectonics and earthquakes, and of the earth's interior composition and structure, with introductions to historical geology and the succession of life forms that formerly lived on the earth.

**Prerequisite:** GEOLOGY 311

## **German**

### **GERMAN 110 - Elementary German I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the language, literature, and culture of German-speaking peoples, with emphasis on the basic language skills. Laboratory practice required.

### **GERMAN 120 - Elementary German II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of studies in the language, literature, and culture of German-speaking peoples begun in GERMAN 110, including further development of the basic language skills, with special attention to improving oral

language skills. Laboratory practice required.

**Prerequisite:** GERM 110

### **GERM 211 - Intermediate German I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Intermediate level studies of the language, literature, and culture of German-speaking peoples, including further development of the basic language skills, with increased emphasis on reading comprehension and writing in German. Laboratory practice required.

**Prerequisite:** GERM 120

### **GERM 212 - Intermediate German II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of intermediate level studies of the language, literature, and culture of German-speaking peoples, including further development of the basic language skills, with special emphasis on idiomatic usages and complex grammatical structures. Laboratory experience required.

**Prerequisite:** GERM 211

### **GERM 310 - Advanced Conversation and Phonetics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course focusing on developing the level of proficiency in the basic language skills necessary to complete advanced courses taught exclusively in German.

**Prerequisite:** GERM 212

### **GERM 321 - German Civilization**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the civilization, culture, and history of German-speaking peoples, with attention to the life, customs, philosophy, art, music, and general patterns of culture. Taught exclusively in German.

**Prerequisite:** GERM 310

### **Global Literacy**

## **GLBL 200 - Global Literacy Experience I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An officially sponsored university instructional experience that enhances students' understanding of one or more of the components of the "Global Literacy" core curriculum requirement. Experiences at the 200 level identify, examine, and synthesize aspects of the following: global diversity; global heritage, such as the arts, sciences, philosophy, literature, economics, language, and athletics; and global interdependence. Academic credit is based on the following formula: one semester credit is equivalent to 750 minutes of documented instruction. The course may be repeated for credit provided the subject matter is different.

## **GLBL 300 - Global Literacy Experience II**

**Credit Hours:** 1 to 6

**Lecture Hours:** 1 to 6

**Lab Hours:** 0

An officially sponsored university instructional experience that enhances students' understanding of one or more of the components of "Global Literacy" core curriculum requirement. Experiences at the 300 level primarily examine and synthesize aspects of global diversity, global heritage, and global interdependence. Academic credit is based on the following formula: one semester credit is equivalent to 750 minutes of documented instruction. The course may be offered for variable credit and may be repeated for credit provided the subject matter is different.

## **GLBL 400 - Global Literacy Experience III**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An officially sponsored university instructional experience that enhances students' understanding of one or more of the components of "Global Literacy" core curriculum requirement. Experiences at the 400 level primarily synthesize the following: one's self-awareness with global diversity; the diffusion of global heritage through globalization; and models of global interdependence. Academic credit is based on the following formula: one semester credit is equivalent to 750 minutes of documented instruction. The course may be repeated for credit provided the subject matter is different.

## **Health Care Management**

### **HCM 200 - Ethics for Health Professions**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

In an era of advanced technology, economic pressure, and national discussions about universal affordable healthcare, professionals require a strong foundation of practice-based ethics to inform their decisions. This course provides an introduction to the theories and principles of ethics and civic responsibility. The course also focuses on the application of ethical theory to a wide range of problems that commonly occur within healthcare settings. In addition, students will explore and understand how ethical theories can inform practice within the healthcare industry.

### **HCM 310 - Organization of Health Care System**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides an introduction to the Health Services Industry. The course will examine key components, characteristics, and organization of the health care system as well as trends and management challenges in the provision of care to a diverse population.

### **HCM 311 - Principles of Health Care Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course presents the foundation principles and dynamics of health care management, the healthcare system, and basic concepts and skills in administration. The institutional, social, and political forces in the field of healthcare are analyzed. Topics include fundamentals of management in healthcare and contemporary issues.

### **HCM 312 - Medical Terminology/Health Care Managers**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides an introduction to the language of health care. The course will examine key terms managers and health care providers need to be successful in the health care industry.

### **HCM 313 - Medical Coding for Managers**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will prepare healthcare managers to understand and improve their competence in medical coding as it relates to billing and insurance by providing an introduction as well as in-depth study of Current Procedural Terminology, International Classification of Diseases, 10th Revision, Clinical Modification (ICD 10-CM), and third-party reimbursement. By the end of the course the student will be prepared to sit for the state exam to

become a certified medical coder.

**Prerequisite:** HCM 312

### **HCM 330 - Healthcare Policy and Law**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides an introduction to a wide range of topics in the area of health policy, and law. Students will become familiar with the evolution of health care policy as well as potential legal and problems in various health care settings. They will also learn to differentiate between legal and ethical problems. Among the subject areas covered are licensing, professional liability, confidentiality, informed consent, professional relationships, access issues, antitrust, and bioethical issues, with particular emphasis on how these areas impact management practice.

**Prerequisite:** HCM 310 and MGMT 311

### **HCM 350 - Healthcare Quality Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course presents the basic principles and tools associated with quality management. The topics include the definition of quality and its function in health services; pioneers in quality; strategic quality planning; quality tools; customer voice; market voice; statistical quality control and international issues and standards.

**Prerequisite:** HCM 310 and BADM 216 and MGMT 311

### **HCM 370 - Marketing Management in Healthcare**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides a foundation for managing the marketing function in healthcare. Particular attention is given to both the use of marketing tools to facilitate attainment of organizational goals in healthcare and the unique issues faced by the healthcare marketers.

**Prerequisite:** ACCT 211 and ECON 211 or ECON 212

### **HCM 390 - Comparative Health Systems**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Innovation is required to meet the challenges of healthcare delivery, thus the ability to compare and evaluate global approaches enables the healthcare professional to consider and adopt ideas that can be applied to their



own system of care. This course examines factors that impact healthcare delivery worldwide, through analysis of the characteristics of global healthcare delivery systems and the governmental, economic, social and political forces that influence them. Special emphasis is placed on comparison to the U.S. healthcare system.

**Prerequisite:** HCM 310 and HCM 311 and HCM 330

## **HCM 410 - Human Resource Management for Health Services**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to explore key concepts, theories, and issues of human resource management as they relate to meeting the challenges faced by health service organizations. The strategic value of human resource management will be emphasized as will the healthcare workforce, diversity, and human resource competencies.

**Prerequisite:** HCM 310 and MGMT 311

## **HCM 420 - Managed Care**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is intended to provide a foundation for managed care and practice and contractual arrangements, including the evolution of managed care as well as an exploration of the various tools that have been developed to improve systems of care. Particular emphasis is placed on contemporary/integrated systems of care.

**Prerequisite:** HCM 310 and HCM 311 and HCM 330 and HCM 350

## **HCM 430 - Leadership for Health Service Organizations**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides a foundation to study leadership theory and practice as they relate to health service organizations. Further, the course seeks to provide an understanding of how healthcare leaders can achieve organizational goals through concrete behaviors and actions across interconnected disciplines and diverse populations.

**Prerequisite:** HCM 310 and MGMT 311 and HCM 410 or MGMT 410

## **HCM 450 - Healthcare Senior Seminar**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides an introduction to health services research for senior students within healthcare management, including fundamentals of health services research and managerial epidemiology. A health

services research project with a focus on managerial applications will be facilitated through a service learning format.

**Prerequisite:** HCM 310 and HCM 330 and HCM 350 and MGMT 311

## **HCM 460 - Health Services Research I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This class is designed as an introduction to health service research as it applies to healthcare delivery, facilitating the basic skills needed to design a successful research proposal.

**Prerequisite:** HCM 310 and HCM 330 and HCM 350 and MGMT 311

## **HCM 461 - Health Services Research II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This class is designed to facilitate successful progress from a proposal to a completed research project. Topics included are relevant to all research projects. This course provides an opportunity to expand basic research skills introduced in HCM 460 - Health Services Research I. This course will provide a review of the initial steps required to write a research proposal, but will emphasize implementation of a research project with faculty direction.

**Prerequisite:** HCM 460 and permission of instructor

## **HCM 470 - Healthcare Strategy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces you to the complexities of strategy analysis, strategy formulation, and strategy implementation in healthcare organizations. The course is divided into different topic areas to investigate these three major processes. We will discuss the basic concepts underlying each topic area. Additionally, we will discuss cases and examples that describe how a real organization confronted successfully (or unsuccessfully) the issues covered in the topic. Two capabilities are of particular importance: (1) the ability to critically evaluate the profit potential of industries or environments and deal with the threats and opportunities presented by each; and (2) an understanding of how organizations work. Because this is a writing intensive course, organization, logical consistency, grammar, and clarity of your writing will impact your grade.

**Prerequisite:** BADM 215 and FINC 311 and HCM 310 and MGMT 311 and HCM 370 or MKTG 311

## **HCM 490 - Healthcare Internship**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides supervised field work for exemplary senior students within the healthcare management concentration. Students work with health service professionals within the host organization to expand their expertise in solving management problems and to increase their awareness of the issues involved in the day to day operations of the organization. Student performance will be evaluated on the basis of an appraisal by the preceptor and a detailed project report submitted by the student. This course is cross-listed with ACCT 450, BADM 430, ECON 450, FINC 453, and FESA 490.

**Prerequisite:** HCM 310 and HCM 330 and MGMT 311 and Senior standing and Instructor permission

## **Health Education**

### **HEED 112 - Health and Wellness**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

This course deals with basic concepts of personal and community health in a complex modern society. Sexuality, population planning, mental health, nutrition, fitness, health care delivery system, and diseases of infectious and non-infectious nature are considered. Health behavior and behavior change for quality living for the individual and community are stressed.

### **HEED 113 - Health, Fitness, and Wellness**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course deals with basic concepts of personal and community health in a complex modern society. Sexuality, population planning, mental health, nutrition, fitness, health care delivery systems, and diseases of infectious and non-infectious natures are considered. Students will develop positive attitudes toward wellness and physical activity, which will facilitate a lifetime commitment to a healthy lifestyle and a high quality of life.

**Prerequisite:** Enrollment as an early college student at FSU.

### **HEED 212 - Health Promotion and Wellness**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to health concepts as they relate to the individual, family, and community. Designed to acquaint students with behaviors that promote health and reduce risks to diseases.

### **HEED 300 - Human Sexuality**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of concepts and methods for sex education programs, including physiological, social and educational aspects of human sexuality, and emphasizing preparation for teaching about human sexuality in K-12 programs.

### **HEED 301 - Drug Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An in-depth study of the use and abuse of legal and illegal drugs, alcohol and tobacco; the psychological and sociological factors associated with drug experimentation and abuse; and the psychosocial and physiological effects of drugs on health and behavior.

### **HEED 310 - Mental and Emotional Health**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the fundamental principles underlying emotional health, including human relationship, stress, social-learning adjustments, personality, and life styles.

### **HEED 311 - Environmental Health**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of major areas of environmental health, including the health concerns, problems, and diseases arising from environmental pollutants.

### **HEED 320 - Introduction to Health Education**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

This is an introductory course to school health and to community health education. The basic philosophy, principles, and content of health education are discussed as basic background for suggested solutions of health problems. Twelve hours field experience is required.

### **HEED 321 - Health in Early Childhood Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the principles, content, practices, and procedures basic to health education in early childhood, K-3.

### **HEED 322 - Health in the Intermediate Grades**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the principles, content, practices, and procedures basic to health education at the intermediate level.

### **HEED 340 - Organization and Administration of School/Community Health Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of modern theories and guiding principles in the organization and administration of school-community health education programs, including coverage of such topics as program planning, fiscal management, vital statistics, and laws pertaining to school-community health.

### **HEED 372 - First Aid and Safety Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the principles and practices of first aid and safety techniques, with emphasis on emergency procedures and safety-related agencies and their services. Also includes the teaching of first aid and safety K-12.

### **HEED 401 - School Health Program**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the roles of the classroom teacher, the school nurse-teacher, and other related personnel in the development and implementation of a total school health curriculum, including content, methods, and materials appropriate to elementary, intermediate, and secondary levels.

### **HEED 410 - Introduction to Epidemiology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The principles of epidemiology used in the investigation of each event, such as disease, accidents, and other health-related problems. These principles will be demonstrated by a class project of epidemiologic investigation. An in-depth study of major public health problems, with emphasis on the K-12 classroom teacher as the change agent for a healthier society through health education.

### **HEED 411 - Public Health Problems**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An in-depth study of major public health problems, with emphasis on the K-12 classroom teacher as the change agent for a healthier society through health education.

### **HEED 420 - Nutrition**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the principles and concepts of nutrition, with emphasis on the importance of nutrition education for the development of healthy eating habits.

### **HEED 421 - Methods and Materials in Teaching Health K-6**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the content, principles, practices, and procedures in health education at the elementary level, with special focus on the role of the teacher in the elementary school health program.

### **HEED 431 - Adapted Physical Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of principles and methods for adapting health and physical education programs to handicapping conditions. These principles and methods will be demonstrated by evaluations of physical, perceptual-motor and postural fitness levels, and the design, implementation, and evaluation of an active diversified adapted program. A 25 clock hour laboratory experience is required.

## **HEED 441 - Measurement and Evaluation in Health Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction of fundamental statistics for measuring and evaluating the effectiveness of health education and community health programs.

## **History and Political Science**

### **HIPO 300 - Contemporary African American Politics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of selected issues related to African-Americans living in America, with emphasis on contemporary political organizations and activities of African-Americans.

### **HIPO 310 - Political History of Contemporary China**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of political development in China from the Revolution of 1911 through the consolidation of power by Mao Tse-tung in the postwar period and continued through successive leaders to the present.

### **HIPO 341 - Constitutional Law and History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of basic principles of the constitutional system, with particular emphasis upon cases that deal with the framework of the American federal system.

### **HIPO 342 - Civil Rights and Constitution**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of constitutional principles and their applications as they affect individual civil rights.

## **HIPO 440 - Modern Ideologies**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the principal modern political ideologies: capitalism, communism, fascism, and socialism.

## **History**

### **HIST 100 - Social Institutions**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An historical survey of the development of the basic social institutions such as family, religion, politics, economics, the arts, and education presented as a case study of the African-American experience from past civilizations in Africa to contemporary American society.

### **HIST 110 - World History to 1600**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An historical survey of the development of civilizations in Asia, Europe, Africa, and the Americas from their beginnings to 1600, with attention to the governmental, social, religious, economic, political, intellectual, and aesthetic movements and activities that contributed to their development. Offered every semester.

### **HIST 120 - World History since 1600**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An historical survey tracing the continuing development of civilization from the beginning of the seventeenth century to the present day, with attention to the governmental, social, religious, economic, political, intellectual, and aesthetic movements and activities that contributed to their development, with special consideration of the movements, ideologies, revolutions, and wars that helped to shape modern history. Offered every semester.

### **HIST 210 - African-American History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0



A study of African-American social, economic, cultural and political history, with emphasis on the contributions of African-Americans to the social, cultural, economic, and intellectual life of American society and with attention to the role of African-Americans in the exploration, settlement, and development of America, the experience of slavery, and the struggle for civil rights. Offered every semester.

### **HIST 211 - The United States to 1865**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of American history from the colonial period through the Civil War. Offered every semester.

### **HIST 212 - The United States since 1865**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of American history from the era of Reconstruction to the present. Offered every semester.

### **HIST 270 - An Introduction to Africa in the World**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course seeks to explore the distinguishing features of the peoples and topography of Africa. Moreover, efforts will be made to assay the interactions of these peoples with the outside world in a way that will reveal the truth about them rather than to recycle myths and prejudices.

### **HIST 271 - Environmental History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will present a history from the eighteenth century to the present of interactions between humankind and the environment. Students will explore changing conceptions of the environment over time through lectures, discussions, readings, and research projects. This course will also emphasize major events historically, the transformed perceptions of nature, and the rise of historical phenomena such as colonization, imperialism, romanticism, industrialization, consumerism, conservation, and environmentalism.

### **HIST 280 - History of Alcohol and Drugs**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours: 0**

This course is a survey of the history of alcohol and drugs from 1500 to the present. This class will take an interdisciplinary approach to understanding the evolving role of alcohol and drugs in the history of the human experience over the past 500 years. By focusing upon economic, political, intellectual, and religious relationships to alcohol and drugs, the class will reveal the changing ethics of western society from the early modern period and the age of discovery through the recent War on Drugs and the medicalization of addiction. The course begins with the introduction of new stimulants like coffee, tea, sugar, tobacco, and an array of distilled liquors (like rum, whiskey, brandy, and gin). In the eighteenth century, the beginning of modern regulation of alcohol is initiated by the British, followed by the development of a temperance movement in North America and western Europe.

### **HIST 301 - The Era of Civil War and Reconstruction**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of the War Between the States, with an examination of the forces that led to the outbreak of the conflict between North and South, the ramifications of the Union victory, and the problems of reconstruction following the war.

### **HIST 302 - Modern America 1914 to Present**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of the United States as a modern industrial nation and as a world power, particularly since 1945.

### **HIST 311 - Early Modern European History, 1600-1789**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A survey of the political, economic, social, and cultural developments in Europe from the late Reformation to the outbreak of the French Revolution.

### **HIST 312 - Modern European History, 1789 to the Present**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A survey of the political, economic, social, and cultural developments in Europe from the French Revolution to the present.

## **HIST 321 - American Social History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the daily life, institutions, intellectual developments, and artistic achievements in America from the Agrarian Era, 1607-1861, through the Urban Industrial Era, 1861 to the present.

## **HIST 322 - Ethnic Minorities in American Urban History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the impact of urban life on the history of minority groups in the United States, with special emphasis on the relationships between the urban social order, the condition of minority groups since 1900, and the contributions of minority groups to the American city.

## **HIST 323 - Oral History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of basic oral history techniques, including interviewing, transcribing, and writing a narrative based on the materials produced.

## **HIST 331 - History of Modern East Asia**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of modern China from the decline of the Manchu Dynasty in the mid-nineteenth century through the events of Tienanmen Square, and of modern Japan from the Meiji Restoration through its post-World War II development as a leading industrial nation.

## **HIST 340 - American Diplomatic History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of American diplomacy from the colonial period to the present, with emphasis on U.S. foreign relations in the twentieth century. Offered on request.

## **HIST 350 - History of Latin America**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the political, economic, and social institutions and problems of contemporary Latin American nations.

## **HIST 351 - Ancient History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the origins, development, and contributions of the ancient Near Eastern, Greek, and Roman civilizations, through the fall of the Roman Empire.

## **HIST 352 - North Africa and the Middle East**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of Islamic civilization and culture in areas of the southern and eastern rims of the Mediterranean Sea spanning the time period from the seventeenth century to the present day.

## **HIST 353 - History of Mexico**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the social, cultural, economic, and political history of Mexico, primarily since independence (1808), with a background on the colonial and Pre- Columbian periods.

## **HIST 362 - American Military Experience**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The evolution of the American military profession from colonial times to the post-World War II era, with attention to such topics as American military concepts, strategies tactics, doctrines, and technology, and the influence of military experience on American society.

## **HIST 370 - Africa South of the Sahara**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of ancient, medieval, colonial, and modern civilizations and nations in sub-Saharan Africa, with attention to issues relating to African heritage and to the rise of contemporary African nations and cultures.

### **HIST 371 - Renaissance and Reformation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the rise of individualism and humanistic thought after 1300, the fragmentation of religious and political authority in Europe, the Reformation, and the religious wars through the Treaty of Westphalia.

### **HIST 372 - History of Women in the Western World**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of the changes in the status of women in Western society from ancient to contemporary times, with special attention given to intergroup differences and to minority women.

### **HIST 375 - Women In Africa**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course explores women's history by region as it has changed over time under pre-colonial, colonial, and independence governments. Topics may include customs of female circumcision, bride wealth, and multiple wives; changes in the control over women's labor and women's roles in politics; the effect of structural adjustment on women; and women's role in sustainable development.

### **HIST 380 - Medieval Europe**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of Europe from the fourth through the fourteenth centuries, with special emphasis on the characteristics of medieval political organization and socioeconomic life, the formative influence of the Church, and the cultural legacy of the Middle Ages.

### **HIST 390 - North Carolina History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the history of the Tar Heel state from its origins to the present. Offered every year.

### **HIST 400 - History of the South**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the development of the southern United States since 1820, with special emphasis on race relations and on industrial growth in the region in the mid-twentieth century.

### **HIST 410 - Survey of American Urban History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the forces that have shaped the development of the American city from the colonial era to the present time, with special attention given to the social, economic, political, and cultural effects of urban life on city dwellers.

### **HIST 430 - Twentieth Century Europe**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of contemporary European issues originating from the two world wars, including the social and political upheavals of the twentieth century, with emphasis on the role of eastern Europe in the decade of the 1990s.

### **HIST 431 - Russia to 1917**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of politics and society in Imperial Russia and the collapse of the empire in the Revolution of 1917.

### **HIST 432 - History of the Soviet Union**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours: 0**

A study of the Soviet system and Soviet foreign policy from the Revolution of 1917 through its collapse in 1989.

### **HIST 441 - History of England**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of the development of modern England from the English Revolution to the present, with emphasis on the rise and fall of the British empire and the evolution of the Parliamentary system.

### **HIST 442 - History of Modern Germany**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of German history through five periods: before unification (1815-1870), under Bismarck, under Wilhelm II, between the wars, and since 1945.

**Prerequisite:** HIST 311 and HIST 312

### **HIST 450 - History of Terrorism and Insurgency**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of the terrorism phenomenon throughout history, culminating in the present threat posed by transnational terrorism. Special attention is given to subjects including: different forms of historical terrorism, such as political and religious; asymmetrical warfare; the terrorism-media relationship; and anti- and counter-terrorism.

### **HIST 451 - French Revolution and Napoleon**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of the collapse of the Ancient Regime, including an examination of the causes and effects of its demise; Napoleon's attempt to establish a new order in Europe under French hegemony; the Congress of Vienna.

### **HIST 460 - Problems in American History**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A study of selected issues in American history.

### **HIST 470 - Colonialism and Neo-Colonialism**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A study of the political, economic, and strategic interests of the Great Powers in colonies and former colonial possessions during the nineteenth and twentieth centuries.

### **HIST 480 - Problems in European History**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A study of selected problems and issues in the history of Europe.

### **HIST 490 - Senior Seminar**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

Selected Topics: In-depth studies in selected areas of special interest, with supervised research and directed readings required. (For History or Social Science majors and minors.)

### **HIST 491 - Methods of Historical Research**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An introduction to conventional methods of historical research and to new techniques in oral history, family history, and quantitative history. For History or Social Science majors and minors.

## **Health Information Technology**

### **HIT 360 - Healthcare Information Systems**

**Credit Hours: 3**  
**Lecture Hours: 3**



**Lab Hours: 0**

This course focuses on the applications of information technology to improve the quality of healthcare and to lower costs in providing healthcare services. Issues to be covered in this course include: information security, the Health Insurance Portability and Accountability Act (HIPAA), the implementation of electronic medical records (EMR), the organization of IT functions, IT project management, and standards that guide health information exchange.

**Prerequisite:** ISBA 300 and HCM 310

## **HIT 370 - Healthcare Information Applications**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course focuses on issues related to system development, relational databases, and database administration. The implementation of business rules and data modeling in clinical information management systems, healthcare enterprise information systems, and their application in evidence-based practice and clinical decision support will be covered. This course is cross-listed with ISBA 320.

**Prerequisite:** HIT 360

## **HIT 380 - Healthcare Business Intelligence**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course introduces students to the area of business intelligence and how it is used in healthcare. The need for business intelligence, concepts of business intelligence, big data in healthcare, predictive analysis, and quantitative methods will all be covered in this course. This course is cross-listed with ISBA 412.

**Prerequisite:** HIT 360 and (HIT 370 or ISBA 320)

## **HIT 460 - Advanced Healthcare Information Systems**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This course expands the concepts taught in HIT 360 - Healthcare Information Systems. The course focuses on the application of information technology in specific skill areas such as clinical decision-support, disease and demographic surveillance, imaging and simulation, and care delivery. Case studies of systems as well as their opportunities and limitations in these areas will be discussed. Legal and ethical issues related to training, security, confidentiality, and the use of informed consent are also addressed.

**Prerequisite:** HIT 360

## **Humanities**

## **HUMN 211 - Humanities: Music, Art, and Ideas I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An interdisciplinary survey course examining works of art, literature, music, philosophy, and religious thought, focusing on major stylistic developments, intellectual movements and cultural achievements of the ancient and medieval eras in Europe, the Middle East, and Africa. Completion of HUMN 211 is recommended before enrollment in HUMN 212.

## **HUMN 212 - Humanities: Music, Art, and Ideas II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The second part of an interdisciplinary survey course examining works of art, literature, music, philosophy, religious thought, and focusing on major stylistic developments and intellectual movements from the Renaissance to the present day.

## **HUMN 213 - Humanities: Pop Culture Connections**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course connects texts with various popular culture artifacts, potentially including but not limited to music, film, art, internet memes, viral videos, advertisements, video games, and comic books. The course will focus on a unifying topic or theme on a rotating basis.

## **HUMN 215 - Arts in Performance**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Designed to introduce students to the basic tools an artist uses to create a work of art and to develop an awareness and appreciation of the history and ideas in the dramatic, musical, and visual arts through study and experience with these arts. Students are required to attend scheduled art, music, and theatre events outside of class and engage in critical analysis, form aesthetic judgments, and develop an appreciation of the arts. Attendance at pre- and post- production discussions and at live performances is required.  
**Prerequisite:** HUMN 211 or HUMN 212

## **Information Systems and Business Analytics**

### **ISBA 211 - Business Software Applications**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides a hands-on approach to learning business software applications. Topics in this course include spreadsheet and database software application development, web design, internet search and e-collaboration through white boarding, messaging, and discussion boards. These software environments and tools are extensively used in organizations to analyze situations and solve problems.

## **ISBA 212 - Introduction to Computer Programming**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will introduce students to basic concepts of programming using Visual Basic with emphasis on business applications. The topics for the course will include VB programming, computer concepts in relation to management, the use of Integrated Development Environment (IDE), flowcharts, algorithms, decision making, control structures, modules, developing simple forms, writing procedures, using array.

## **ISBA 300 - Information Systems Theory and Practice**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an understanding of systems and development concepts, information technology, and application software. This course explains how information and technology are used in organizations to enable improvements in business processes, support decision-making, and contribute to the achievement of competitive advantage. The course focuses on topics such as databases, data warehouses, decision-making, SCM, electronic commerce, system acquisition, and ethical issues. MS Office software will be used to demonstrate IT solutions for business situations.

**Prerequisite:** BADM 214 or CSC 100

## **ISBA 312 - Introduction to Business Analytics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an introduction to the field of business analytics, which has been defined as the extensive use of big data, statistical and quantitative analysis, exploratory and predictive models, and fact-based management to drive decisions and actions. Various data visualization techniques using Microsoft Excel are discussed. Linear regression model, time series analysis and forecasting models are addressed in detail. Different data mining techniques such as cluster analysis, association rules, classification and regression trees are introduced using various tools including SAS Enterprise Miner and/or JMP Pro. Spreadsheet modeling and Monte Carlo Simulation are illustrated using Microsoft Excel. Basics of decision analysis will be presented. Students actively participate in the delivery of this course through case and project presentations.

**Prerequisite:** ISBA 300

## **ISBA 320 - Database Management Systems**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course covers information systems design and implementation within a database management system environment. Students will construct a physical system using database software to implement the logical design. Different available software will be discussed. This course is cross-listed with HIT 370 .

**Prerequisite:** ISBA 300

## **ISBA 321 - Advanced Database Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will cover more advanced topics in database design concepts and provides additional instruction on multi-sharing databases. It completes the SQL and will introduce the Oracle.

**Prerequisite:** ISBA 300 and ISBA 320

## **ISBA 322 - Enterprise Resource Planning**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The concepts of integrated information systems and total systems are the main core of this course. Introduction of different software will be a part of this course.

**Prerequisite:** ISBA 300

## **ISBA 323 - Data Warehousing and Data Mining**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

In this course the concepts of database of databases i.e. the data warehouse will be presented. Different algorithms for data mining will be presented.

**Prerequisite:** ISBA 300 and ISBA 320

## **ISBA 330 - System Analysis and Design**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an understanding of the system analysis and development. It introduces different systems development methodologies and explains the SDLC (Systems Development Life Cycle) by leading students through detailed steps of Planning, Analysis, Design and Implementation. It provides the details for all activities for planning and analysis phase and prepares the students for the second course (ISBA 331). Computer tools will be used in construction of the systems.

**Prerequisite:** MGMT 311 and ISBA 320

### **ISBA 331 - Systems Development**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course continues the materials on ISBA 330 and concentrates on the last two phases of systems development life cycle i.e. design and implementation. Students will use Visual Basic Application and Microsoft Macros to write codes to enhance the applications. Some concepts of Object Oriented Design will be introduced in this course. CASE Tools will be used to facilitate different tasks on Systems Development Life Cycle

**Prerequisite:** ISBA 430 and CSC 102 and ISBA 320 and ISBA 330

### **ISBA 332 - Object-Oriented Programming and Design**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is about the object oriented technology and modular design of the systems and related programming issues.

**Prerequisite:** CSC 102 and ISBA 300

### **ISBA 340 - Project Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The concepts of planning and control of projects and mainly the IT projects will be discussed. The control and optimization of time/costs will be discussed. Different models of project control under certainty and uncertainty will be presented.

**Prerequisite:** BADM 216 and MGMT 311 and BADM 214 and ISBA 300

### **ISBA 409 - Web Development**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces Hyper Text Markup (HTML), Cascading Style Sheets (CSS), and Java Script languages to build dynamic web pages. Students will learn how to implement web pages with links, images, image maps, forms, multimedia content, and dynamic pop-up windows, scroll messages, and validating forms in web pages.

**Prerequisite:** ISBA 300 with a grade of C or better

## **ISBA 410 - Supply Chain Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

In supply chain, the suppliers connect to customers through a series of processes e.g. purchasing, production, storage, sales, transportation and distribution. Each of these business processes and business units interface with others by sending outputs and receiving inputs preferably over an electronic supply chain network. Modeling of these units and optimization of flows together with other issues such as human factors, cultural issues, security factors, automation and other related topics will be discussed. This course is cross listed with MGMT 390.

**Prerequisite:** ISBA 300 and BADM 216

## **ISBA 411 - Excel Analytics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces modeling concepts in the Excel environment. Students will learn how to implement several accounting and financial models using formulas, functions, and tools to manipulate and display information in spreadsheets. Data visualization for trends discovery and dashboard reporting will also be emphasized.

**Prerequisite:** ISBA 300 or ACCT 300 with a grade of C or better

## **ISBA 412 - Business Analytics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an introduction to the field of business analytics, which has been defined as the extensive use of big data, statistical and quantitative analysis, exploratory and predictive models, and fact-based management to drive decisions and actions. Various data visualization techniques using Excel 2013 are discussed. Linear regression model, time series analysis, and forecasting models are addressed in detail. Different data mining techniques such as cluster analysis, association rules, classification, and regression trees are covered in depth using XLMiner or SAS Enterprise Miner. Students actively participate in the delivery of this course through case and project presentations. This course is cross-listed with HIT 380.

**Prerequisite:** ISBA 300 or ACCT 300 with a grade of C or better

## **ISBA 415 - Social Media and Digital Marketing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This class introduces social media and tools, their use in marketing, and their impacts on the business world. Students will understand the use of social media and make recommendations of popular web applications for marketing and business uses. They will also describe new business models and opportunities that the web and social media enable. Through readings, in-class exercises, projects, and presentations, students will learn about current web technologies, strategies for integrating web-enabled capabilities in the enterprise, and their impact on organizational functions such as marketing, branding, or crowd-sourcing and the innovative management of consumers. Students will apply their knowledge of social media technologies by creating, managing, promoting, and recommending social media for a real business. This course will be cross listed with MKTG 333.

**Prerequisite:** ISBA 300 and MKTG 311

## **ISBA 420 - Management Support Systems**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will focus on decision making processes under semi-structured situations. Different theories and practices related to decision theory will be covered using several teaching methodologies. Databases, user interfaces, knowledge bases, and modeling concepts will be discussed and students will learn several tools for aiding decision makers in various phases of decision making. Students will be introduced to business intelligence technologies that support business analytics and will learn how to implement data mining model(s) for prediction. Decision modeling software will be used to demonstrate model implementations

**Prerequisite:** MGMT 325 and ISBA 320

## **ISBA 421 - Artificial Intelligence and Expert Systems**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 3

The concepts of using machines to imitate human behavior and transferring human knowledge and know how of humans to machines are the main themes of this course. Different models, algorithms and software will be discussed.

**Prerequisite:** ISBA 300 and BADM 216

## **ISBA 430 - Data Communication and Networking**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an understanding of data communications and networking, including networking and telecommunication technologies, hardware, and software. Special emphasis is placed on the analysis, design, and management of networking applications in organizations.

**Prerequisite:** ISBA 300

### **ISBA 435 - Electronic Commerce**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces emerging online technologies and trends and their influence on the electronic commerce marketplace. Students will learn various revenue models and how to market on the Web, various legal and ethical issues, important security issues, and how to plan for electronic commerce. This course also introduces the current Web design concepts and techniques that will help students develop a real electronic commerce site.

**Prerequisite:** ISBA 300

### **ISBA 440 - New Topics in MIS**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Information technology is a very dynamic field that changes very quickly. The new concepts introduced in this area will be presented in this seminar course.

**Prerequisite:** ISBA 300

### **ISBA 450 - Advanced SQL**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides students with advanced SQL skills that allow them to write effective queries against single and multiple tables; manipulate data in tables; create database schema objects; create indices and constraints; alter existing schema objects; create and query external tables; and learn to use the advanced features of SQL in order to query and manipulate data within the database. Students also learn to control privileges at the object and system level and will be able to work with date-time functions available in the Oracle Database. In this course, students use Oracle SQL Developer as the main development tool. SQL\*Plus will be introduced as an optional development tool. This course is one of three Oracle certification training courses.

**Prerequisite:** ISBA 321

### **ISBA 451 - Programming with Advanced PL/SQL**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0



This course covers advanced PL/SQL concepts. Students learn to create PL/SQL blocks of application code that can be shared by multiple forms; create reports and data management applications; create anonymous PL/SQL blocks; work with stored procedures and functions; declare variables; trap exceptions; and declare and control cursors. In addition, students learn to develop, execute, and manage PL\SQL stored program units such as procedures, functions, packages, and database triggers. They also learn to manage object dependencies and the recompilation of invalid objects. This course also describes the characteristics and techniques of the manipulation of large objects. Students are introduced to the uses of some of the Oracle-supplied packages. This is one of three Oracle certification training courses.

**Prerequisite:** ISBA 321 or ISBA 450

## **ISBA 452 - Advanced Database Design and Development**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The objective of this course is to provide students with the practical database experience necessary for the successful completion of the Oracle PL/SQL Developer Certified Associate Exam. Students will be required to design a database for a business situation, create and manage all objects necessary for implementation, and perform various maintenance operations on that database. This is one of three Oracle certification training courses.

**Prerequisite:** ISBA 321 or ISBA 450

## **ISBA 455 - Business Modeling and Simulation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This is an elective course for MIS majors and for business majors who are interested in learning the process of modeling business situations and developing model applications using popular Excel add-ins such as: Solver optimization, Crystal ball for forecasting, RiskAmp Monte Carlo simulation, TreePlan for decision analysis, and @Risk for risk analysis. This course combines tangible applications in Finance, Marketing and Operations with a modeling philosophy of learning by doing

**Prerequisite:** ISBA 300 and BADM 216 and MGMT 325 and MGMT 325

## **ISBA 498 - Information Systems Internship**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course involves the application of quantitative and systems skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

**Prerequisite:** Senior standing and consent of faculty supervisor

## **ISBA 499 - Management Information Systems Co-Op**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

MIS Co-op offers students an opportunity to prepare for a career involving the application of information technology by combining academic theory and work experience. Three hours of academic credit are awarded for half-time paid work experience over a 15-week period. The cooperative education staff, the student, the MIS Co-op director, and the employer's co-op supervisor must agree on the employment terms and the learning experience to be gained in a written contract. The academic grade is assigned by the MIS Co-op director based on student reports and reports of the employer's co-op supervisor.

**Prerequisite:** ISBA 300

## **Intelligence Studies**

### **INTL 200 - Intelligence and National Security**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on the concept, framework and applications of U.S. Intelligence and its role in the creation and implementation of national security policies.

### **INTL 210 - Introduction to Intelligence Analysis**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Research, Methods and Writing: This specialized course concentrates on the analytical production of strategic intelligence and serves as an introduction to the craft of intelligence analysis.

**Prerequisite:** INTL 200

### **INTL 220 - Intelligence Operations**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course covers human Intelligence (HUMINT), covert action and counterintelligence, as well as, the organizations, missions, and functions of international intelligence and security services.

**Prerequisite:** INTL 200

### **INTL 300 - Law Enforcement Intelligence**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

This course examines the role of Intelligence in the production of public policy and Law Enforcement implementation.

**Prerequisite:** INTL 200

### **INTL 310 - Corporate Intelligence**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

This course combines the study of traditional "corporate espionage" with the intelligence and counter-intelligence requirements inherent in protecting and managing intellectual property and national security information found in the industrial sector.

**Prerequisite:** INTL 200

### **INTL 320 - Intelligence and Military Operations**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

This course introduces the principles of Intelligence support for military operations including definitions and problems of strategic, operational and tactical intelligence; various aspects of military operations; and significant past, present and future events, operations and implications involving intelligence and military operations.

**Prerequisite:** INTL 200

### **INTL 330 - The History of Intelligence**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

This course explores the principles of the history of Intelligence. Topics include definitions and problems of the history of Intelligence; various aspects of the history of Intelligence; and significant past, present and future events, operations and implications involving the history of Intelligence.

**Prerequisite:** INTL 200

### **INTL 400 - Advanced Intelligence Analysis**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

Research, Methods and Writing: This advanced course serves as follow-on to the introductory analysis course and provides for the application of knowledge and further skill development of the analytical tradecraft. Special topics include analytical research, methodologies and writing.

**Prerequisite:** INTL 210

## **INTL 410 - Ethics and Intelligence**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will examine the pertinent role of ethics in the business of Intelligence within the context of national security. Ethical theories, the role of ethics, protection of individual civil rights, ethical dilemmas posed by several current challenges and ways to make ethics a larger part of the national security dialogue will be addressed.

**Prerequisite:** INTL 200

## **INTL 420 - Anthropological Issues in Intelligence**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course investigates the historical and contemporary cultural, religious, and social distinctions between the world's peoples as these variables bear on the Intelligence function.

**Prerequisite:** INTL 200

## **INTL 430 - Strategic Intelligence Issues**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Exploring a number of vital and current issues relative to strategic Intelligence, this advanced course is intended to assess intelligence requirements and develop strategies for the successful use of intelligence in U.S. foreign and security policy in the first decades of the twenty-first century.

**Prerequisite:** INTL 200

## **INTL 440 - Emerging International Security Threats**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course surveys a suite of emerging international threats which pose serious security risks to international development, stability and progress. The purpose is to assess the future international security environment in

order to help develop government policy, strategy and plans for dealing with emerging security threats like genocide; organized crime; narcotics trade; human trafficking; weapons proliferation; environmental, energy, health and financial perils; regional issues; and other related topics.

**Prerequisite:** INTL 200

### **INTL 450 - International Terrorism**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course focuses on a wide range of relevant topics from the historical background and roots to the sociological, economic, and psychological aspects of International Terrorism and to the actual operational factors and policy implications.

**Prerequisite:** INTL 200

### **INTL 460 - National Security Policy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will focus on U.S. national security and related-policy and the domestic and global factors affecting implementation.

**Prerequisite:** INTL 200

### **INTL 462 - International Weapons Proliferation and Weapons of Mass Destruction**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course explores worldwide proliferation of weapons and military hardware with special attention given to weapons of mass destruction.

**Prerequisite:** INTL 200

### **INTL 470 - Internship**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed for students to serve an external internship. As an intern, the students will be supervised in an experience in the application of principles and techniques to various areas of public service.

**Prerequisite:** INTL 400

### **INTL 480 - Senior Seminar**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course serves as a capstone class for students completing the Intelligence Studies program. It requires students to integrate and apply knowledge gained from the overall program curriculum. As part of the Senior Seminar, the students will research, write and present the findings and results of a topic that has significance to the profession of Intelligence Studies.

**Prerequisite:** INTL 400

## **INTL 490 - Advanced Readings and Research**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course allows students to conduct intensive, independent research studies of selected topics. The student will research, write and present the findings and results of the research.

**Prerequisite:** INTL 400

## **Mathematics**

### **MATH 120 - Finite Mathematics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to mathematical sets, logic, probability, statistics, and the metric system.

### **MATH 121 - Introduction to College Algebra**

**Credit Hours:** 3 or 4  
**Lecture Hours:** 3 or 3  
**Lab Hours:** 0 or 2

This course provides a foundation in algebraic concepts and problem solving skills for students who are preparing to take college algebra or precalculus I. Topics include arithmetic of real numbers, simplifying expressions (polynomial, rational, radical, etc.), and solving equations and inequalities (linear, quadratic, radical, etc.). When taken for 4 credits, two lab hours are included.

### **MATH 123 - College Algebra**

**Credit Hours:** 3 or 4  
**Lecture Hours:** 3 or 3  
**Lab Hours:** 0 or 2

An algebra course containing the following topics: sets, the real number system, exponents, radicals, polynomials, equations, inequalities, relations and functions, graphing, conic sections, exponential and logarithmic functions, systems of equations, complex numbers, mathematical induction, and the binomial theorem. A graphing calculator is required. When taken for 4 credits, two hours of lab are included.

**Prerequisite:** MATH 121 or High School Algebra I, II, and Plane Geometry or equivalent, and satisfactory profile examination score.

### **MATH 124 - College Trigonometry**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A trigonometry course containing the following topics: trigonometric functions defined on angles, circular functions, graphs, inverse trigonometric functions, identities, trigonometric equations, law of cosines, law of sines, and complex numbers. A graphing calculator is required.

**Prerequisite:** MATH 123 or High School Algebra I, II, and Plane Geometry or equivalent, and satisfactory profile examination score.

### **MATH 126 - Quantitative Reasoning**

**Credit Hours:** 3 or 4

**Lecture Hours:** 3 or 3

**Lab Hours:** 0 or 2

This is a basic quantitative reasoning course with emphasis on concepts and applications of mathematical and statistical methods. This activity based quantitative reasoning course introduces students to basic mathematics, probability and risk, summarizing and analyzing data, regression and correlation, geometric modeling, and financial mathematics. Spreadsheets and course specific software will be used to deepen understanding of these concepts and increase student engagement with the course material. When taken for 4 credits, two lab hours are included.

**Prerequisite:** MATH 121 or High School Algebra I, II, and Plane Geometry or equivalent, and satisfactory profile examination score.

### **MATH 127 - Quantitative Reasoning with Special Applications**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is an introduction to mathematical concepts, problem solving techniques, and pedagogical strategies that provide direct and explicit instruction of mathematics-specific academic language. Students will explore concepts of number and quantity, data interpretation, data representation, statistics, probability, algebra, and geometry.

**Prerequisite:** MATH 121 or instructor approval

### **MATH 129 - Precalculus Mathematics I**

**Credit Hours:** 3 or 4  
**Lecture Hours:** 3 or 3  
**Lab Hours:** 0 or 2

This course is the first of a two-semester sequence that provides a background for students who are preparing to take calculus. Topics include sets, the real number system, exponents, radicals, polynomials, equations, inequalities, functions, relations, graphing, conic sections, and rational, exponential, and logarithmic functions. A graphing calculator is required. When taken for four credits, two hours of lab are included.

**Prerequisite:** High School Algebra I, II, and Plane Geometry or equivalent, and satisfactory profile examination score.

## **MATH 130 - Precalculus Mathematics II**

**Credit Hours:** 3 or 4  
**Lecture Hours:** 3 or 3  
**Lab Hours:** 0 or 2

This course is the second of a two-semester sequence that provides the background for students who are preparing to take calculus. Topics include graphing, systems of equations, matrices, complex numbers, mathematical induction, the binomial theorem, sequences and series, polar coordinates, parametric equations, trigonometric functions, inverse trigonometric functions, law of sines, law of cosines, and trigonometric identities. A graphing calculator is required. When taken for four credits, two hours of lab are included.

**Prerequisite:** MATH 129

## **MATH 131 - Algebra and Trigonometry**

**Credit Hours:** 3 or 4  
**Lecture Hours:** 3 or 3  
**Lab Hours:** 0 or 2

An in-depth study of the topics covered in MATH 129 and MATH 130. A graphing calculator is required. When taken for four credits, two hours of lab are included.

**Prerequisite:** High School Algebra I, II, and Plane Geometry Or equivalent, and satisfactory profile examination score.

## **MATH 142 - Calculus with Analytic Geometry I**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

The first course of a three-semester sequence in calculus with analytic geometry, including studies of graphs, functions, limits, differentiation, applications of differentiation, integration, and applications of the definite integral.

**Prerequisite:** (MATH 129 and MATH 130) or MATH 131

## **MATH 150 - Discrete Mathematics I**



**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The first course of a two-semester sequence in discrete mathematics, providing the theoretical base and support for computer science and including operations on sets; Cartesian products and tuples; combinatorial objects; Venn diagrams; event spaces and basic probability; number systems; the statement calculus; rules of inference and validity of arguments; inductive proofs; the concept of an algorithm; equivalence relations; partial ordering relations; graphs and digraphs as relations, including trees and shortest paths in digraphs; basic definitions and notations of functions; and recurrences for the analysis of algorithms.

**Prerequisite:** (MATH 129 and MATH 130) or MATH 131

## **MATH 241 - Calculus with Analytic Geometry II**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

The second course of a three-semester sequence in calculus with analytic geometry, including studies of the notion of integral, the Fundamental Theorem of Calculus, techniques of integration, improper integrals, applications of integration, differential equations, infinite series and tests of convergence, power series, and Taylor series.

**Prerequisite:** MATH 142

## **MATH 242 - Calculus with Analytic Geometry III**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

The third course of a three-semester sequence in calculus with analytic geometry, including studies of vectors, vector-valued functions, functions of several variables, partial derivatives, gradients, directional derivatives, maxima and minima, multiple integrals and applications, line and surface integrals, Green's Theorem, Stokes' Theorem, and Divergence Theorem.

**Prerequisite:** MATH 241

## **MATH 250 - Discrete Mathematics II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of MATH 150, including an introduction to graph theory, graph algorithms, representations of graphs, planar graphs, graph algorithms, minimal spanning trees, tree traversals, decision trees, game trees, network models, max flow min cut theorem, matching, Boolean algebra and combinatorial circuits and applications, automata, grammars and languages, the closest-pair problem, and convex hull.

**Prerequisite:** MATH 150

## **MATH 251 - Linear Algebra**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides a study of topics including vectors, matrices, matrix operations, the system of linear equations, Gauss-Jordan elimination, determinants, vector spaces and subspaces, linear independence, bases, linear transformations, rank and kernel, eigenvalues and eigenvectors, diagonalization, inner products, Euclidean spaces, and the Gram-Schmidt process.

**Prerequisite:** MATH 130 or MATH 131

## **MATH 260 - Foundations of Mathematics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course designed to help students transition to upper level courses in mathematics. Topics include set theory, logic, proof techniques, induction, equivalence relations, functions and cardinality, countable and uncountable sets, and sequences.

**Prerequisite:** MATH 142 and MATH 150

## **MATH 262 - Modern Geometry**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course in modern geometry focuses on axiomatic methods and proofs. Topics from Euclidean geometry include lines, angles, triangles, quadrilaterals, congruent and similar triangles, circles, polygons, areas, and volumes. Some topics from non-Euclidean geometry are also included.

**Prerequisite:** (MATH 129 and MATH 130) or MATH 131

## **MATH 312 - History of Mathematics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey of mathematics incorporating biographical accounts of persons who have contributed significantly to the development of mathematics, descriptions of their achievements, and discussions of other major topics of interest in mathematics.

**Prerequisite:** MATH 142

## **MATH 315 - Applied Cryptography**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is an introduction to classical and modern cryptography. We apply elementary number theory to the problems of cryptography. Topics include classical cryptosystems, basic number theory, the data encryption standards, the RSA algorithm, discrete logarithms, Hash functions, digital signatures, digital cash, secret sharing schemes, and the zero knowledge techniques. A computer algebra system will be used.

**Prerequisite:** MATH 150

## **MATH 320 - Difference Equations**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introductory course in difference equations and discrete dynamical systems including studies of difference calculus, first order difference equations, higher order linear difference equations, basic theory of linear systems of difference equations, linear periodic systems, stability theory, Liapunov's second method, Z-transform, asymptotic behavior of solutions.

**Prerequisite:** MATH 241 and MATH 251

## **MATH 325 - Discrete Optimization**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course including such topics as maximization and minimization problems in graphs and networks, matching theory, (shortest paths, minimum spanning trees, maximum flows, minimum cost flows); transportation and trans-shipment problems, NP-completeness.

**Prerequisite:** MATH 150

## **MATH 331 - Differential Equations I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The first course of a two-semester sequence in differential equations, emphasizing applications to science and engineering and including the following topics: first order differential equations, second order linear differential equations, higher order linear equations, the Laplace Transform, and series solutions of second order linear equations.

**Prerequisite:** MATH 242

## **MATH 340 - Topics in Mathematics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of major topics of current interest in mathematics not covered in existing courses.

### **MATH 345 - Mathematics of Interest Rates**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The course closely follows the financial mathematics syllabus of society of actuaries. The purpose of the course is to develop practical knowledge of the theory of interest in both finite and continuous times, know how these concepts are used in the various annuity functions, and be able to apply the concepts of present and accumulated value for various streams of cash flows as a basis for future use in reserving, valuation, pricing, duration, asset/liability management, investment income, capital budgeting, and contingencies.

**Prerequisite:** MATH 140 and MATH 142

### **MATH 350 - Mathematics of Financial Markets**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course covers the usage and pricing of derivatives. Subjects include the basic features of futures and options, binomial option pricing, the Black-Scholes formula, interest rate based derivatives, volatility measurement, and dynamic trading strategies. It also covers arbitrage-based derivatives pricing approaches and quantitative analysis.

**Prerequisite:** MATH 242 and STAT 301

### **MATH 361 - Introduction to Modern Algebra I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The first course of a two-semester sequence introducing fundamental concepts and proof techniques used in abstract algebra and including studies of groups, normal subgroups, quotient groups, homomorphisms, rings, ideals, quotient rings, integral domains, fields, and related topics.

**Prerequisite:** MATH 251 and MATH 260

### **MATH 362 - Introduction to Modern Algebra II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a continuation of MATH 361 and presents a deeper and more extended study of rings, ring homomorphisms and ideals, factor rings, properties of ideals, integral domains, unique factorization domains, polynomial rings, irreducibility tests, field extensions, algebraic extensions, an introduction to Galois Theory, and related topics.

**Prerequisite:** MATH 361

### **MATH 372 - Linear Programming**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of methods and applications of optimizing a linear function subject to linear constraints, the theory of the simplex method and duality; parametric linear programs; sensitivity analysis; modeling and computer implementation.

**Prerequisite:** MATH 251

### **MATH 380 - Nonlinear Programming**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course includes methods for unconstrained optimization such as golden section search method, gradient method, Newton's method and conjugate direction method; and methods for constrained optimization, including Lagrange multipliers, Kuhn-Tucker Theory, and duality.

**Prerequisite:** MATH 251

### **MATH 400 - Diag/Prescript Math**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course examining diagnostic teaching in the context of a general approach to mathematics instruction, with emphasis on strengthening students' knowledge of mathematics and instructional psychology.

### **MATH 405 - Principals of Discrete Applied Mathematics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is a study of illustrative topics in discrete applied mathematics including sorting algorithms, information theory and data compression, coding theory, secret codes, generating functions, Fourier transforms,

linear programming, game theory. There is an emphasis on topics that have direct application in the real world.  
**Prerequisite:** MATH 150 and STAT 202

## **MATH 410 - Introduction to Calculus of Variations and Optimal Control**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Introduction to calculus of variations and optimal control for dynamical systems; the Pontryagin Maximum Principle, necessary conditions for optimality and computational techniques for solution of the necessary conditions.

**Prerequisite:** MATH 331

## **MATH 412 - Advanced Calculus**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A comprehensive and rigorous study of the concepts of limit, continuity, topology on the real line, properties of continuous functions, Mean Value Theorem and Taylor's Formula, and calculus of one variable.

**Prerequisite:** MATH 242 and MATH 260

## **MATH 415 - Intro to Wavelets and Data Compression**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course presents the basic principles of wavelets and data compression. Wavelets have had quite a huge impact in the signal processing community, especially with regard to applications like compression (speech, audio, image and video, modeling and restoration). The course will cover topics including: inner products and norms of n-dimensional vectors, orthogonal matrices and block matrix arithmetic, Entropy and Cumulative Energy, peak signal to noise ratio, complex numbers and Euler's formula, Fourier series, convolutions, lowpass/highpass filters, Haar Transformations, Daubechies filters, Gaussian white noise, and the VISUShrink denoising technique. A significant amount of the course is dedicated to programming.

**Prerequisite:** MATH 241 and MATH 251

## **MATH 420 - Mathematical Modeling**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is intended to help students establish mathematical skills needed for solving various practical problems. The focus of the course is to seek the connections between mathematics and practical systems, and

illustrate the modeling procedure through examples from physics, biology, chemistry, engineering, economics and other areas. Students will learn how to apply various modeling techniques to create mathematical description of a practical system, and use analysis and computer simulations to make predictions about the system's behavior.

**Prerequisite:** MATH 251 and MATH 331

### **MATH 431 - Differential Equations II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of MATH 331, including the following topics: numerical methods; nonlinear differential equations and stability; Fourier Series and classical partial differential equations; boundary value problems and the Sturm-Liouville Theory; the system of linear differential equations; and the existence theory.

**Prerequisite:** MATH 251 and MATH 331

### **MATH 432 - Read/Honors in Math**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to methods of research and independent study in mathematics. For seniors and/or honor students.

### **MATH 433 - Math Conc/Elem Sch Tch**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course for pre-service and in-service teachers at the intermediate level, emphasizing sets and the set theory, the development of the real number system, measurements, the use of manipulative materials, elements of geometry, computer utilization, and problem solving.

### **MATH 435 - Partial Differential Equations with Applications**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course containing the following topics: first order partial differential equations; the wave equation; the diffusion equation; the Laplace equation; d'Alembert's solution; Duhamel's principle; the classification of partial differential equations; elliptic, parabolic, and hyperbolic partial differential equations; Stability theory; energy conservation; Sturm-Liouville problems; Fourier series; integral transforms; Laplace transforms; Greens's functions; and variational methods. Applications in medicine, engineering, meteorology, and industry will be

discussed. Mathematical software such as ACSL, Maple, and Mathematica will be used.

**Prerequisite:** MATH 242 and MATH 331

### **MATH 440 - Applied Numerical Methods**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course on numerical methods including topics such as: nonlinear equations, linear systems, interpolation and polynomial approximation, curve fitting numerical differentiation, numerical integration, numerical optimization, solution of differential equations, eigenvalues, and eigenvectors. Mathematical software such as Maple, Matlab, and Mathematica will be used.

**Prerequisite:** MATH 431

### **MATH 450 - Selected Topics in Mathematics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Advanced study of major topics in mathematics from fields such as topology, advanced calculus, complex analysis, or modern algebra. Course may be repeated for credit with approval of department.

### **MATH 461 - Theory of Real Variables**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A comprehensive and rigorous study of real variable functions including differentiability, the Riemann Integral, sequences of functions, infinite series, the generalized Riemann integral, and an introduction to the Lebesgue Integral.

**Prerequisite:** MATH 412

### **MATH 472 - Theory of Numbers**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the elementary properties of integers, invisibility, Euclid's Algorithm, prime numbers, and congruences.

**Prerequisite:** MATH 260

### **MATH 481 - Introduction to Topology**



**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of topics in the field of point set topology, including topological and metric spaces and an overview of various topological properties such as separation axioms, countability, compactness, connectedness, continuity, and homeomorphisms.

**Prerequisite:** MATH 412

## **MATH 485 - Teaching Secondary School Mathematics Using Technology I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a comprehensive study of teaching secondary mathematics with technology. The emphasis is placed on algebra, calculus, data analysis, probability, and statistics.

## **MATH 486 - Teaching Secondary School Mathematics Using Technology II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a continuation of MATH 485. It provides a comprehensive study of teaching secondary school mathematics using technology, with emphasis on geometry and measurement.

**Prerequisite:** MATH 485

## **MATH 492 - Complex Variables**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A rigorous study of elementary functions, differentiation and integration of analytic functions, Taylor and McLaurin series, Residue Theorem, and contour integration.

**Prerequisite:** MATH 412 and MATH 461

## **Materials Science**

### **MATS 160 - Introduction to Materials Science**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is an introduction to topics in materials science, including the synthesis, fabrication, structures,

properties and applications of materials. It covers various types of materials, such as metals and alloys, ceramics, polymers, and composite materials. Projects will be done using laboratory optical and electron microscopes to study the structure of various samples.

**Prerequisite:** CHEM 141 and CHEM 141L

## **MATS 204 - Properties of Engineering Materials**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course (cross-listed as ENGR 204) is an introduction to the fundamental physical principles governing the structure and constitution of metallic and nonmetallic materials and the relationship among these principles and the mechanical, physical, and chemical properties of engineering materials. The influence of the atomic and grain structure of structural materials on mechanical properties will be considered. The effects of mechanical and heat treatments on structure and properties of materials are examined. Fatigue and creep of materials, fracture toughness, mechanical and non-destructive evaluation, environmental effects are studied. This course also addresses design considerations as well as characteristics of metals, ceramics, polymers and composites.

**Prerequisite:** CHEM 141 and CHEM 141L and CHEM 161 and CHEM 161L and PHYS 125 and PHYS 125L

## **MATS 214 - Solid Mechanics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course (cross-listed as ENGR 214) is an investigation of the concepts and theories of internal force, stress, strain, and strength of structural elements under static loading conditions. Constitutive behavior for linear elastic structures is discussed. Deflection and stress analysis procedures for bars, beams, and shafts will be considered. Introduction to matrix, analysis of structures will be made.

**Prerequisite:** MATH 242 and MATS 204

## **MATS 260 - Introduction to Nanomaterials**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is an introduction to the rapidly developing field of nanomaterials and their applications. Topics cover nanomaterials properties, fabrication, and characterization. Students will work in small groups to carry out projects on nanomaterial imaging of provided specimens, using electron microscopy and/or atomic force microscopy.

**Prerequisite:** MATS 160 and CHEM 161 and CHEM 161L and (PHYS 116 or PHYS 126) and PHYS 126L or instructor consent

## **MATS 301 - Introduction to Polymer Science**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 3

This course covers general concepts about polymeric systems including synthesis, characterization, structure development and bulk properties. Applications of polymers including fibers and composites are also covered.

**Prerequisite:** MATS 204 or (CHEM 223 and CHEM 223L)

### **MATS 311 - Scanning Electron Microscopy and Microanalysis**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 3

This course provides students with cutting-edge electron microscopy research skills using state-of-the-art scanning electron microscope (SEM) and electron microprobe analyzer (EMPA), to study the structure of diverse material or biological samples. It comprises both theories in the lectures and hands-on trainings in the laboratories. Upon completion of the course, the students are trained to utilize the microscopy skills for independent research.

**Prerequisite:** MATS 204 and ( PHYS 116 and PHYS 126L or PHYS 126 and PHYS 126L)

### **MATS 321 - X-Ray Diffraction Analysis**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides fundamental knowledge and analyzing skills in X-ray diffraction method. It covers the physics of X-ray generation, characteristics and safety issues; crystal geometry and Bragg diffraction; and various applications of XRD for materials research, including crystal structure determination, precise lattice parameter measurement, qualitative and quantitative phase analyses, crystal size and stress measurement.

**Prerequisite:** MATS 204 and CHEM 161 and CHEM 161L and (PHYS 116 or PHYS 126) and PHYS 126L

### **MATS 360 - Introduction to Electronic Materials**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 2

This course is an introduction to the fundamental properties of semiconductors used in electronic, optoelectronic, and photovoltaic fields. The emphasis will be on material electronic and optical properties, which are intertwined with crystal structure and chemical composition of such materials. Laboratory activities will be carried out in the form of problem-solving through computer simulations of material properties, as well as material electric and optical characterization. Students will have hands-on measurements of resistivity of silicon, photoconductivity, and quantum efficiency spectroscopy of optical-electron conversion in solar cells and optical sensors.

**Prerequisite:** MATS 204 and CHEM 161 and CHEM 161L and (PHYS 116 or PHYS 126 ) and PHYS 126L

## **MATS 423 - Nanoscience and Nanotechnology**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 3

This course (cross-listed as CHEM 423) is a comprehensive introduction to the rapidly developing field of nanoscience and nanotechnology. Topics cover the properties, synthesis, and characterization of nanomaterials and their applications to nanobiotechnology/ nanomedicine and nanoelectronics, as well as laboratory activities involving the synthesis and characterization of novel nanostructures.

**Prerequisite:** CHEM 211 and CHEM 211L and PHYS 126 and PHYS 126L or (MATS 260 and PHYS 126 and PHYS 126L) or instructor approval

## **MATS 460 - Electronic Materials and Processing**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

This is an in-depth course that focuses on electronic and optoelectronic materials. It discusses the materials science of semiconductor processing, with emphasis on elemental (silicon and germanium) and III-V compound (gallium arsenide) semiconductors and related materials. The course includes the thermochemistry of semiconductors, the dynamics of defect formation, and the processing and process control to achieve desired materials properties. The course discusses the principles of design and production of novel materials to obtain electronic devices with superior performances; in essence, the science of how to obtain nanostructured electronic and opto-electronic materials.

**Prerequisite:** MATS 360

## **Management**

### **MGMT 302 - Disaster Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course covers the history of disaster management, basics and intermediate concepts of disaster management, including the disaster management paradigm (Preparedness, Response, Recovery, Mitigation), Incident Command, technological- including weapons of mass destruction & cyberattacks, and natural hazards and disasters, fundamentals of risk and hazard assessment, national response, federal agencies, and an introduction to international disaster management and terrorist threats. The course is intended to provide students systematic overview of planning, organization, operational and financial dimensions of disaster management in the context of national and international levels. During this course students will complete FEMA certificate IS 100- Introduction to Incident Command System.

### **MGMT 303 - Business Continuity of Operations**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course covers the concepts, strategies, and implementation of Business Continuity and disaster recovery plans through lectures, hands on practice and skill building. This area of technical expertise is becoming a highly valued skill in the work place. Almost every business and organization must deal with Business Continuity and Disaster Recovery at some level. The cybersecurity threats, severe weather-related incidents and both man-made and natural disasters have increased the risks for companies and organizations regarding their critical business resources, systems and processes. Managing these risks is an integral part of everyday business. The overall goal of Business Continuity planning is to protect the company and organizations, its' assets, its' ability to do business under any circumstance, and to be resilient. After completing this course, students should be able to write a Business Continuity of Operations Plan and to prepare businesses to function immediately after a disaster. During this course students will complete FEMA certificate IS 545- Reconstitution Planning Course.

**Prerequisite:** MGMT 302

### **MGMT 311 - Principles of Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the theory and process of management principles and basic organization behavior. Emphasizes major managerial functions such as planning, organizing, leading, and controlling, as well as the role of the manager in a changing environment. Explains ethical issues, managerial decision making, leadership behaviors, and managing a diverse workforce and provides an introduction to international management.

**Prerequisite:** ECON 211 or ECON 212 and ACCT 211

### **MGMT 325 - Quantitative Methods for Business**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an introduction to management science topics and modeling in the decision making process. It covers the quantitative tools for managerial decision making and focuses on areas such as linear programming, inventory control, PERT/CPM, simulation, decision analysis, and queuing theory. Computer software used for solving these problems.

**Prerequisite:** BADM 216 and MGMT 311

### **MGMT 335 - Operations Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an introduction to the process of producing goods and providing services, with class work

oriented toward the analysis and solution of practical problems using quantitative techniques. The focus will be on areas such as product and production design, operation strategy, project management, quality assurance and international management issues, capacity decisions, plant layout, supply chain management, forecasting, inventory management scheduling, and aggregate planning.

**Prerequisite:** BADM 216 and MGMT 311

## **MGMT 340 - Project Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the planning and control of IT projects and the control and optimization of time/costs will be discussed. Different models of project control under certainty and uncertainty will be presented.

**Prerequisite:** ISBA 300 and BADM 216

## **MGMT 350 - Entrepreneurship**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the creation, growth, or acquisition of business through entrepreneurial efforts, the nature of the entrepreneurship process, and the organization of growth oriented acquisitions.

**Prerequisite:** MGMT 311 and FINC 311 and MKTG 311

## **MGMT 390 - Supply Chain Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

In supply chain, the suppliers connect to customers through a series of processes e.g. purchasing, production, storage, sales, transportation and distribution. Each of these business processes and business units interface with others by sending outputs and receiving inputs preferably over an electronic supply chain network.

Modeling of these units and optimization of flows together with other issues such as human factors, cultural issues, security factors, automation and other related topics will be discussed. This course is cross listed with ISBA 410.

**Prerequisite:** MGMT 311

## **MGMT 404 - Occupational Safety and Health (OSHA) Standards for Business and Industry**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to teach general industry safety and health outreach training program to students. Using the OSHA General Industry Standards as a guide, special emphasis is placed on occupational safety requirements, penalties and corrective actions. Students will be briefed on effective instructional approaches and use of visual aids and handouts. This course will give the necessary foundations to students to become a trainer in the OSHA Outreach Training Program. Throughout the course, students will learn how to prepare a presentation on an assigned OSHA General Industry Outreach Training Program topic individually or as part of a group and prepare for the written exam. Students who are interested to participate as authorized trainers in the OSHA Outreach Training Program will have clear directions and career pathways at the end of the course. During this course students will complete FEMA certificate IS 200b- Incident Command System for Single Resources and Initial Action Plan.

### **MGMT 405 - Critical Infrastructure: Identification, Vulnerability, and Threat Assessment**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides a careful examination of the methods necessary to identify and address risks to critical infrastructures from a variety of human and natural threats. Critical infrastructures, comprised of food, health, transportation, defense, information, trade and communication infrastructures, are an essential part of the global critical infrastructure and an integral part of our Nation's economy and national security. This course is designed to enable students to: identify and describe the various components and their functions of the Critical Infrastructure models, relating to sub-critical infrastructures; evaluate the current risk environment as it pertains to the cascading effects; evaluate the various measures/mitigation and countermeasure strategies utilized to protect critical infrastructures; evaluate the responsibilities of all critical infrastructure stakeholders; apply analytical techniques for policy makers to develop sustainable critical infrastructure security program. During this course students will complete FEMA certificate IS 913a- Critical Infrastructure Security and Resilience Achieving Results Through Partnerships and Collaborations.

### **MGMT 406 - Laws and Regulations in Disaster Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to give students insights into the public laws, regulations, and associated policies that facilitate and, in some cases, restrict emergency management planning, recovery, and relief. Students will explore how this basic philosophy is carried out in laws, statutes, ordinances, regulations, and procedures at the various levels of government. Students will share how it is accomplished in their hometowns and organizations. There is special focus on declarations of emergency at the local and state levels. In addition to laws and regulations by OSHA, EPA and FEMA, this course covers the legal foundations of protecting the homeland, Executive Orders, the foundation and of the Homeland Security Council, and regulations and laws covering national response, military response, infrastructure protection, intelligence gathering, National Incident Management Systems (NIMS) and National Response Framework (NRF), detention and treatment of terrorists and selected foreign homeland security. During this course students will complete FEMA certificate IS 700 National Incident Management System. During this course students will complete FEMA certificate IS 700b- National Incident Management System (NIMS).

## **MGMT 407 - Crisis Management and Emergency Preparedness**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course develops a managerial perspective on crisis management and emergency preparedness. Through case studies, the course examines distinctive challenges of dealing with different types of disasters; the communication problems that arise within the group of initial responders, NGOs and between officials and the public-at-large; exemplary leadership and organizational strategies for responding to emergencies for which prior preparations may be inadequate or counterproductive. From a managerial perspective, the course aims to provide the skills and systems that must be deployed in times of crisis; considers how to set a course of action, mobilize and coordinate resources, and organize support; and teaches how organizations can effectively prepare in advance for crises. During this course students will complete FEMA certificate IS 800c- National Response Framework (NRF).

**Prerequisite:** MGMT 302

## **MGMT 410 - Human Resource Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of personnel administration, including the objectives, organization, functions, and role of personnel management in the operation of business enterprises, with attention to key problems in the areas of employee selection, hiring, and placement; training; wage and salary administration; promotion, transfer, and separation; personnel services; and labor relations.

**Prerequisite:** MGMT 311

## **MGMT 411 - Compensation and Benefits Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides students with a comprehensive overview of employee compensation and benefits. Students will learn about the various types of employee compensation and benefits options available to organizations. Additionally, this course will cover the tangible and intangible reward systems necessary to motivate employees and increase organization performance. Topics such as base pay, merit pay, profit sharing, executive compensation, designing pay structures, health benefits, retirement plans, employee planned, and unplanned leave will be addressed.

**Prerequisite:** MGMT 410 (may be taken concurrently)

## **MGMT 412 - Employment Law**

**Credit Hours:** 3  
**Lecture Hours:** 3



**Lab Hours:** 0

This course focuses on the complex and ever-evolving area of employment and labor law. Students will study the employment laws and legal guidelines that affect employer-employee relationships. Additionally, students will learn how to utilize employment law concepts in real-life workplace situations to make appropriate human resource management decisions. Topics will include: proper hiring and promotion practices, Federal and State labor laws, harassment, discrimination, and employee's right to privacy. This course will use case studies, court cases, and relevant news events to provide students a current view of employment and labor law.

**Prerequisite:** MGMT 410 (may be taken concurrently)

## **MGMT 415 - HR Staffing and Development**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides the student with insight into the theories and techniques of the key Human Resource Management (HRM) functions of employee selection and employee training and development. Selection is viewed as establishing the employment relationship while training is viewed as addressing skill gaps between employees' actual and desired performance. Strategies are explored for measuring job performance requirements in order to effectively recruit, select, and train employees to meet organizational and individual objectives. Legal, ethical, and global issues in human resources staffing and development are explored throughout the course. This course covers core material essential for managers and for every HRM professional.

## **MGMT 420 - Organizational Behavior**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The study of human behavior at the individual, group and organizational level including discussion and case studies related to motivation, perception, job design, group behavior, communication, interpersonal conflict, ethics, performance, motivation, and leadership.

**Prerequisite:** MGMT 311

## **MGMT 421 - Quality Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Quality has become the responsibility of everyone and has been applied by manufacturer and services alike to achieve competitive advantage. This course examines the concept of quality and develops skills in the use of quality tools. Primary focus will be on the management of quality by all the disciplines in an integrated manner within the organization, statistical quality control, total quality management, international quality standards, Japanese concepts of quality, and related topics.

**Prerequisite:** BADM 216 and MGMT 311

## **MGMT 425 - International Business Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of the theoretical and institutional complexities of international business operations, with emphasis on the special knowledge and skills essential to personnel engaged in the planning and administration of business enterprises and governmental organizations with overseas relationships.

**Prerequisite:** MGMT 311

## **MGMT 435 - Group and Interpersonal Dynamics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is conducted in a learning group setting where students experience first hand the dynamics that occur in a task-oriented group while reading and learning about the theory of group development. This course should be taken concurrently with MGMT 470 - Strategic Management or ISBA 330 - System Analysis and Design or another course where the student is involved in a team project. The class will explore key issues that underlie group life such as inclusion, influence and intimacy. Leadership and how it emerges within the group will be a key aspect of the learning. The course also includes self assessment exercises and feedback from the group that increases students' awareness of their own styles in interacting with others, including influence style, conflict management, decision making style, communicating and listening styles.

**Prerequisite:** MGMT 311

## **MGMT 440 - Strategic Human Resource Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The purpose of this course is to understand how organizations can gain a competitive advantage utilizing strategic human resource management concepts. This comprehensive, capstone course will explore how the traditional functions of human resource management contributes to an organization's long-term strategic plan. Students in this course will work on a semester-long capstone project where they will assume the role of a "human resource management team" consulting their senior management team on the organizational strategic plan. Topics covered in this course will include: assessing effective organizational communication, human resource and organizational strategy alignment, strategic workforce planning, effective training and development programs, utilizing HR as a partner in strategic planning, leadership training and development, sustainable competitive advantage, and ethical human resource practices.

**Prerequisite:** MGMT 410

## **MGMT 450 - Small Business Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The process of managing a small business including planning, marketing, production, finance, organization, personnel, and pragmatic issues in real situations.

**Prerequisite:** MGMT 311 and FINC 311 and MKTG 311

## **MGMT 460 - Corporate Entrepreneurship**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course addresses the emerging practice of corporate entrepreneurship or Intrapreneurship, broadly defined as the application of entrepreneurial capabilities of the development of new venture within an existing firm. Thus, this course will provide insights into the innovation process in corporations and the unique problems and opportunities that managers and corporate entrepreneurs face in translating innovative ideas into successful results, from opportunity recognition to new venture creation.

## **MGMT 470 - Strategic Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A capstone course focusing on the theoretical and practical knowledge acquired in previous undergraduate business administration courses. Text and lecture will cover external and internal environmental analysis, business and corporate level strategy, industry analysis, functional strategy, implementation, control, and global business. Case analysis and presentation will combine and enhance learning acquired from readings and Internet searches.

**Prerequisite:** MGMT 311 and FINC 311 and MKTG 311

## **MGMT 490 - Leadership and Communication**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is intended to develop the leadership and communication skills that students need to be transformational leaders in their professional career. The course covers theories and dimensions of leadership effectiveness. Through various role playing and case analysis activities, the course measures students' leadership competencies in four areas: developing the vision, sharing the goals, gaining support, and delivering success. The course places emphasis on proper leadership communication, interpersonal skills, cultural literacy and cross-cultural leadership communication, conducting meetings, high-performing team leadership, and public speaking. To this end, all students are required to join a chapter of Toastmaster International and participate actively in all meetings during the course of the semester.

**Prerequisite:** This is a capstone course for an interdisciplinary degree program; senior standing is required

## **MGMT 491 - Introduction to ERP and Business Processes**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A problem-based, interdisciplinary course on Enterprise Resource Planning (ERP) concepts to help students understand the integrated software modules used to run virtually all business processes in an organization. Explains and demonstrates in detail how business processes such as sales logistics, production/ material management, procurement, and human resources are supported in an ERP software package. This course is cross-level listed with ERP 611.

\*Undergraduate students can enroll only with the permission of the instructor.

## **MGMT 492 - Electronic Business Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A problem-based exploration of the various electronic business tools and technologies required to efficiently manage a supply chain. This course is cross-level listed with ERP 612.

\*Undergraduate students can enroll only with the permission of the instructor.

## **MGMT 493 - Operations Planning and Control**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Delivers detailed information on planning and control systems for business operations through aggregate production planning procedures and disaggregation methods in hierarchical production planning. Topics include forecasting, capacity planning, scheduling, and inventory management. This course is cross-level listed with ERP 613.

\*Undergraduate students can enroll only with the permission of the instructor.

**Prerequisite:** MGMT 491

## **MGMT 494 - Purchasing and Materials Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Focuses on materials management and purchasing policies, procedures and goals including the role of purchasing in production planning and inventory management. Key topics include: providing uninterrupted flow of materials and services, keeping inventory at a minimum to achieve the organization's objectives, quality standards, supplier selection, and development, order specifications, and agreements, improving competitive

position, and achieving positive external and internal working relationships. This course is cross-level listed with ERP 614.

\*Undergraduate students can enroll only with the permission of the instructor.

**Prerequisite:** MGMT 491

## **Marketing**

### **MKTG 311 - Principles of Marketing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the principles of marketing; current practices and structures of the market; analyses of marketing functions, institutions, costs, and marketing legislation.

**Prerequisite:** ACCT 211 and ECON 211 or ECON 212

### **MKTG 312 - Entrepreneurial Marketing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course clarifies key marketing concepts, methods, and strategic issues relevant for start-up and early-stage entrepreneurs. Topics addressed include: (1) Marketing issues facing entrepreneurs today; (2) Identification and evaluation of marketing opportunities; (3) Achieving competitive advantages given limited marketing resources, and (4) Major marketing/sales tools that are useful in an entrepreneurial setting. This course is cross listed with ENTR 312.

**Prerequisite:** MKTG 311

### **MKTG 322 - Advertising**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the principles of advertising, advertising media, and special problems of small business concerns, including appropriations and planning related to the development of advertising and the economic significance of advertising to both the consumer and the advertiser.

**Prerequisite:** MKTG 311

### **MKTG 325 - Personal Selling**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours: 0**

An overview of skills and knowledge involved in personal selling. Emphasis on learning the different techniques for developing personal selling presentations, prospecting for customers, managing customer accounts, and the use of IT in the personal selling role. The course is designed for the student to gain a greater appreciation, understanding, and respect for sales, especially the interpersonal communication process.

**Prerequisite:** A "C" or better in MKTG 311

## **MKTG 330 - Retailing**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A survey of retailing and its role in distribution, focusing on problems of administrative organization, store location, layout, buying, pricing, merchandising, sales promotions, and current trends in retailing.

**Prerequisite:** MKTG 311

## **MKTG 331 - Consumer Behavior**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A survey of the theories of consumer behavior, with contributions from the social sciences and their applications to the marketing discipline.

**Prerequisite:** MKTG 311

## **MKTG 333 - Social Media and Digital Marketing**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

This class introduces social media and tools, their use in marketing, and their impacts on the business world. Students will understand the use of social media and make recommendations of popular web applications for marketing and business uses. They will also describe new business models and opportunities that the web and social media enable. Through readings, in-class exercises, projects, and presentations, students will learn about current web technologies, strategies for integrating web-enabled capabilities in the enterprise, and their impact on organizational functions such as marketing, branding, or crowd-sourcing and the innovative management of consumers. Students will apply their knowledge of social media technologies by creating, managing, promoting, and recommending social media for a real business. This course will be cross listed with ISBA 415.

**Prerequisite:** ISBA 300 and MKTG 311

## **MKTG 412 - Sales Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the functions of a sales department within the marketing organization, including the recruiting, selecting, training, motivating, supervising, compensating, and evaluating sales personnel.

**Prerequisite:** MKTG 311

### **MKTG 421 - International Marketing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of the structure, techniques, problems, and general environment of marketing abroad, including the organization, promotion, financing, legal aspects, and operations of the multinational corporation

**Prerequisite:** MKTG 311

### **MKTG 460 - Marketing Research**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The application of scientific methods of obtaining information to structuring marketing policies and techniques, with emphasis on the role of research in the solution of marketing problems.

**Prerequisite:** BADM 216 and MKTG 311

### **MKTG 470 - Marketing Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the organization and coordination of the total marketing program, including marketing segmentation, the marketing mix, and the operating environment. Students analyze firm's marketing strategies, competitive strategies, and industry trends, and conduct an external situational analysis for the development of future oriented strategies and tactics to direct a company's marketing efforts.

**Prerequisite:** Senior standing in Marketing

### **MKTG 490 - Seminar in Marketing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A capstone course for seniors in marketing, with course content and activities centering on special topics that

may include management or marketing activities, special research topics, or other marketing issues relevant to the business environment.

**Prerequisite:** Senior standing in Marketing

## **Military Science**

### **MSCI 101 - Military Organizations**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

Introduction of time management for students transitioning to college. An overview of the U. S. Army concentrating on the historical development of ROTC and related customs, courtesies, and traditions of uniformed service. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Fall.

### **MSCI 102 - Basic Leadership and Management**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

An introductory course in leadership and management using case and situational studies to emphasize individual and group needs, group dynamics, and the decision making process. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Spring.

### **MSCI 201 - Studies in Decision Making**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study in progressive leadership concentrating on leadership models, personality, and perceptual process. Contemporary and historical leadership problems (case studies) are analyzed from a leader's perspective. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Fall.

### **MSCI 202 - Land Navigation and Tactics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introductory course in land navigation and rifle squad organization, capabilities, and tactics. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Spring.

### **MSCI 221 - Leader's Training Course**



**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An intensive practical application of leadership and military skills to satisfy basic course.

### **MSCI 301 - Unit Level Command Response**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study in leadership from the perspective of the Second Lieutenant, concentrating on the coordination and execution of administrative and tactical command decisions. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Fall.

### **MSCI 302 - Terrain Analysis**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An integrated course of academics and military skills combining advanced land navigation with squad-level tactics. Laboratory periods concentrate on leadership development, physical training, and selected presentations. Spring.

### **MSCI 321 - Applied Military Leadership**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An intensive practical application of leadership and military skills for Advanced Course students. Five-week summer program conducted at Fort Lewis, Washington for all Advanced Course cadets from colleges and universities throughout the United States. Summer.

### **MSCI 401 - Basic Officer Course Prep**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Studies in military subjects which will prepare an individual for those duties and responsibilities of a newly commissioned officer. These subjects include Military Leadership, Small Unit Administration, Human Self-Development, Leadership Aspects of Contemporary Issues, Unit Readiness, Company Administration, Effective Written Communications, Awards and Decorations, and Fundamentals of Management. Fall.

## **MSCI 402 - Advanced Leadership and Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Studies in Military Staff organization and procedures to include topics essential to newly commissioned officers. These subjects are: Customs and Traditions of the Service, Ethics and Professionalism, Written and Oral Communications, Personnel and Training Management, Military Justice, Law of War, International Law, U.S. Army Logistics, Maintenance Management, and Soviet Army Indoctrination. Students prepare and present military science instruction to military science classes. Spring.

## **MSCI 421 - Physical Education and Training**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 3

This course is designed to introduce the student to physical fitness and the regulatory components of the Army Physical Fitness Test (APFT). Information on various topics contributing to a fit lifestyle (such as nutrition and hydration, the benefits of aerobic and anaerobic exercise, running selection, etc.) will be interwoven throughout the course. The course will involve calisthenics, introduction to various sports, swimming, weight lifting, running, and road marching.

**Prerequisite:** MSCI 301 or MSCI 302

## **MSCI 422 - Physical Education and Training**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 3

This course is designed to sustain the student's physical fitness in accordance with the regulatory components of the Army Physical Fitness Test (APFT). Information on various topics contributing to an above average fitness level (muscular strengthening and endurance, nutrition and hydration, the benefits of total body fitness, distance running/road marching techniques, etc.) will be interwoven throughout the course. The course will involve calisthenics, negotiation of obstacle courses advanced water survival, leadership/ confidence building exercises, preparation and execution of lesson plans, organization and execution of physical fitness training administration of APFT, and evaluation techniques.

## **MSCI 423 - Physical Education II**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 3

This course is designed to introduce the student of physical fitness and the regulatory components of the Army Physical Fitness Test (APFT). Information on various topics contributing to an above average fitness level

(muscular strengthening and endurance, nutrition and hydration, benefits of total body fitness, distance running/road marching techniques, etc.) will be interwoven throughout the course. The course will involve calisthenics, negotiation of obstacle courses, advance water survival, leadership/confidence building exercises, preparation and execution of lesson plans, organization and execution of physical fitness training, administration of APFT and evaluation techniques.

## **Music**

### **MUSI 100 - Basic Musicianship**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the rudiments of music, including basic rhythmic and pitch notation; major and minor scales; intervals; primary triads; rhythmic drills; and sight singing and ear training activities. Also includes keyboard and computer applications of concepts studied. Must complete and/or test out to be admitted as a music major.

### **MUSI 101 - Class Piano for Non-Majors**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

A laboratory-style course designed for the non-music major giving the student a basic understanding of music reading, keyboard harmony, and technique.

### **MUSI 102 - Basic Piano Skills**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A class piano course giving the non-piano major a basic understanding of keyboard harmony and technique, with the first year of instruction devoted to practicing the five-finger major hand positions, memorizing several short compositions, sight reading, and combining staccato and legato playing. Must complete and/or test out to be admitted as a music major.

### **MUSI 110 - Choir**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A course focusing on selections from all periods and styles of music, including pop, spiritual, and gospel music, with a study of vocal techniques, choral diction, and performance styles and practice. Includes choral

performances at various University and community activities, with tours planned to many areas in North Carolina and other states. Open to all students who enjoy singing.

### **MUSI 111 - Chamber Ensemble**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

This course gives students the opportunity to engage more actively in the music-making process through participation in a chamber ensemble, which is defined as a small group of musicians (normally two to eight people) performing music without a director/ conductor.

### **MUSI 115 - Percussion Ensemble**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

This course offers the student percussionist practical experience in the playing of percussion instruments in a chamber music setting. This course will explore traditional, contemporary, and world music for percussion ensemble. Open to all students following audition and permission of the instructor.

### **MUSI 118 - Foundations of Music Tech I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will enable students to develop facility with a range of music technology hardware; and software, and learn procedures for operating those elements. This course will feature uses of technology in K-12 music education settings. Various methods and software applications available for use in public schools as well as their relative merits will be investigated. Additionally, this course provides a foundation for students to develop their creative capacities. Course topics will include student-based performance (sequences, warm-ups, accompaniment, transposition, scoring), composition (sequencing, arranging, scoring), administrative functions (grading, communications, research, databases, financial management), logistics (lab set-up, funding), and resources. Students should have previous experience with Windows or Mac interfaces and familiarity with the internet.

**Prerequisite:** MUSI 100

### **MUSI 120 - Brass Ensemble**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A course in the performance of small ensemble compositions written for various combinations of brass and wind instruments. Open to all students following audition and permission of instructor.

### **MUSI 125 - Trumpet Choir**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

A course in the performance of small ensemble compositions written for trumpet choir. Open to trumpet students following audition and permission of instructor.

### **MUSI 130 - Woodwind Ensemble**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A course in the performance of small ensemble compositions written for various combinations of woodwind instruments. Open to all students following audition and permission of instructor.

### **MUSI 140 - Jazz Ensemble**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A major performing organization of the university, with practice including instruction in improvisation and arranging, and with a varied repertoire that includes music from jazz to fusion and popular styles. Open to all students following audition and permission of instructor.

### **MUSI 150 - Opera Workshops**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

Study and performance of scenes, acts, and/or operas from both the standard repertoire and operas of primarily historical interest. Open to all students. Audition and permission of instructor.

### **MUSI 152 - Harmony, Sight Singing, and Ear Training I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 1

A study of the basic elements of harmony: primary and secondary triads in root position and all inversions;

seventh chords; major, minor, and chromatic scales; introduction to part-writing procedures; rhythmic drills; and sight singing and ear training activities. Includes keyboard and computer applications of concepts studied.

**Prerequisite:** MUSI 100

## **MUSI 155 - Exploration in Music Education**

**Credit Hours:** 2

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to teaching music in the public schools required of all music education majors. Students are introduced to the K-12 National Music Standards, NC Standard Course of Study, and North Carolina licensing procedures. Through reading, writing, field experiences, and discussions, students consider the implications of a particular philosophy of music education, various styles of teaching/learning, and music knowledge and skills, as well as dispositions necessary to become an excellent music teacher. Issues related to music assessment, classroom management, and different types of school settings are considered.

**Prerequisite:** MUSI 152

## **MUSI 159 - Beginning Jazz Improvisation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A user-friendly course of study in the melodic, rhythmic, and harmonic practices associated with the art of jazz improvisation, including the theoretical background associated with it and the stylistic and idiomatic considerations as well. Students learn through a "hands-on" approach; they are called upon to improvise jazz in actual playing situations on a weekly basis. Students also learn through the study of jazz harmony and theory and through analysis of classic jazz recordings made famous by the masters of the craft.

## **MUSI 160 - Orchestra**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A course in the performance of small ensemble compositions written for various combinations of string instruments. Open to all students following audition and permission of instructor.

## **MUSI 165 - Music Seminar/Recital Hour**

**Credit Hours:** 0

**Lecture Hours:** 1

**Lab Hours:** 0

A series of weekly workshops, clinics, master classes, presentations, and performances presented to students taking applied lessons and senior recital. Students gain practical performance experience during the scheduled

music seminar/ recital hours. Students are required to attend additional student ensemble, senior recital, and Fine Arts Series events. Concurrent registration in applied lessons or senior recital is required with MUSI 165 registration. Course taken for Pass/ Fail credit.

### **MUSI 167 - Applied Brass**

**Credit Hours: 1**

**Lecture Hours: 1**

**Lab Hours: 0**

A sequence of courses focusing on diagnoses and recommendations for proper brass/wind playing habits, with emphasis on embouchure development, tonal studies, scales, and arpeggios. Minimum of five hours practice per week required. Freshman year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

### **MUSI 169 - Applied Organ**

**Credit Hours: 1**

**Lecture Hours: 1**

**Lab Hours: 0**

A sequenced study of organ manual and pedal techniques, with practice works including easy preludes and offertories, studies by Gelason, Nilsen, etc.; Bach's Little Preludes and Fugues; and hymn playing and service playing. MUSI 165 - Music Seminar/Recital Hour required. Freshman year sequence.

### **MUSI 171 - Applied Piano**

**Credit Hours: 1**

**Lecture Hours: 1**

**Lab Hours: 0**

A first-year sequence of courses in piano devoted to acquiring a firm technical foundation through the use of various drills and exercises, with beginning repertoire including pieces on the level of the Clementi Sonatinas, Op. 36, the Notebook for Anna Magdalena Bach, and Bach's Two-part Inventions. Includes practice with major and minor scales played in contrary and parallel motion. Freshman year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit

### **MUSI 173 - Applied Percussion**

**Credit Hours: 1**

**Lecture Hours: 1**

**Lab Hours: 0**

A sequence of courses for the percussionist focusing on basic technique, sound production, exercises and etudes with emphasis on indefinite pitch and related instruments, keyboard percussion, and timpani. Freshman year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

## **MUSI 175 - Applied Strings**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses featuring diagnoses and recommendations for proper string playing habits, with practice emphasis on bowing and fingering methods, positions, scales, arpeggios, tone, and vibrato. Freshman year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

## **MUSI 177 - Applied Voice**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses in voice focusing on the study of vowels and the fundamentals of tone production, correct breathing and posture, and the performance of early secular and sacred songs. Freshman year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

## **MUSI 179 - Applied Woodwinds**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses focusing on diagnoses and recommendations for proper woodwind playing habits, with emphasis on embouchure development, tonal studies, scales, and arpeggios. Freshman year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

## **MUSI 191 - Marching Band**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 5

A major performing organization of the university, playing in parades, at miscellaneous events, and at football games both at home and in other states. Open to all students following audition and permission of instructor.

## **MUSI 192 - Concert Band**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 5

A major performing organization of the university, playing varied styles and genres of music in concerts, both locally and in other cities. Open to all students following audition and permission of the instructor.



## **MUSI 193 - Pep Band**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

The FSU Pep Band is an important performing organization of the university, playing recruitment concerts at high schools, official university functions, as well as home and selected away basketball games. This 1-credit course is open to all students following audition and instructor permission. Preference is given to those who have performed with the FSU marching band in the fall semester. This course can be repeated for credit. This course cannot be used for an ensemble credit requirement by music majors/ minors.

## **MUSI 201 - Piano Skills I**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A course giving the non-piano major a basic understanding of keyboard harmony and technique, with the first year of instruction devoted to practicing the five-finger major hand positions, memorizing several short compositions, sight reading, and combining staccato and legato playing.

**Prerequisite:** MSCI 102

## **MUSI 202 - Piano Skills II**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A study of primary chords in all keys, the major and minor harmonic scales and major and minor arpeggios in two octaves; four-part chordal textures; and sight reading using chord symbols.

**Prerequisite:** MUSI 201

## **MUSI 210 - Music Appreciation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the basic materials and ideas of music, stressing the relationship of music to society, culture, and philosophy; introducing musical instruments and the contributions of important composers; and studying characteristics of style and form in various types of music. Recital attendance required.

## **MUSI 218 - Foundations of Music Technology II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours: 0**

This course develops student proficiency in MIDI sequencing and in the use and integration of music notation, digital audio, and digital video software. Students will design multimedia projects, study electronic recording equipment, and construct music projects and interactive lessons appropriate for k-12 music instruction. Students will integrate digital multimedia files into presentations, music lessons, and class projects. This course will center on intermediate level competence in music technology. The recording studio, music instruction, and music notation are the global objectives for this course.

**Prerequisite:** MUSI 118

## **MUSI 221 - Foundations of Teaching for Music**

**Credit Hours: 2**

**Lecture Hours: 0**

**Lab Hours: 0**

This course introduces the foundations of teaching for music through various topics and experiences. Topics include: music teaching as a profession, North Carolina Music Standards, and music content and pedagogical knowledge. Advanced topics include: lesson plan design and an introduction to edTPA.

**Prerequisite:** MUSI 155

## **MUSI 225 - A History of Jazz in American Culture**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

Using both a socio-cultural and historical perspective, this course explores the major forms of African-American folk music indigenous to the United States. These forms of African American folk music (ragtime, blues, and gospel) contain elements of musical expression rooted in the aesthetic make-up of jazz. Students will explore and analyze the development of jazz music in relation to its cultural context.

## **MUSI 241 - Class Strings**

**Credit Hours: 1**

**Lecture Hours: 1**

**Lab Hours: 0**

A study of the basic concepts of playing and teaching the bowed string instruments, focusing on basic performance skills on each of the instruments (violin, viola, violoncello, and double bass), as well as on information about techniques for organizing, recruiting, and teaching string classes and orchestras in the public schools.

**Prerequisite:** MUSI 152

## **MUSI 242 - Class Woodwinds**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A practical introduction to the woodwind family, with emphasis on techniques for playing the flute, clarinet, oboe, bassoon, and saxophone, as well as on the characteristics and functions of each woodwind instrument and on the basic skills needed to offer instruction on woodwind instruments in the public schools.

**Prerequisite:** MUSI 152

### **MUSI 251 - Class Voice I**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A course featuring group instruction in the fundamentals of singing, with emphasis on breath control, posture, and tone production, and with additional attention to developing a beginning vocal repertoire. Course intended for music education majors with instrumental and/or keyboard concentrations only.

**Prerequisite:** MUSI 152

### **MUSI 252 - Class Voice II**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A continuation of techniques started in MUSI 251, including new material such as basic diction, consonant and vowel production, and the extension of vocal and dynamic range through exercises and repertoire. Course intended for music education majors with voice concentration only.

**Prerequisite:** MUSI 152

### **MUSI 260 - African-American Music**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of traditional African music and its interaction with western musical styles, with emphasis on the development of the blues, spirituals, gospel music, jazz idioms, and more recent African-American styles, and with attention to the work of major black composers and performers in both the concert and commercial areas.

### **MUSI 262 - Diction**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A study of the enunciation, pronunciation, and articulation of languages applicable to performances of vocal literature written in English, French, Italian, German, and Latin.

### **MUSI 267 - Applied Brass**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses for the brass player focusing on the continuing development of playing habits, with an emphasis on embouchure development, technique development and solo literature. Sophomore year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 167

### **MUSI 269 - Applied Organ**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses in organ technique and repertoire, including the Bach's Little Preludes and Fugues and Orgelbuchlein; Brahms's Choral Preludes; works by Vierne and Widor; hymns; and other standard works. Sophomore year sequence. MUSI 165 - Music Seminar/Recital Hour required.

**Prerequisite:** MUSI 180 and MUSI 169

### **MUSI 271 - Applied Piano**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses in piano technique and repertoire on the level of Beethoven's Sonatas Op. 49, Nos. 1, 2; Bach's Two and Three-part Inventions; Chopin's Mazurkas, and Waltzes; and Bartok's Mikrokosmos, Volumes III and IV. Included practice with major and minor scales played in contrary and parallel motion. Sophomore year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 171

### **MUSI 273 - Applied Percussion**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses for the percussionist focusing on intermediate techniques, sound production, exercises, etudes, and solo literature with emphasis on indefinite pitch and related instruments, keyboard percussion, and timpani. Sophomore year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once

for credit

**Prerequisite:** MUSI 173

## **MUSI 275 - Applied Strings**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses in technical studies and the development of a recital repertoire for strings. Performance in student recitals and a minimum of ten hours practice per week required. Sophomore year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 175

## **MUSI 277 - Applied Voice**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A continuation of studies in tone production and other principles of singing, with emphasis on various vocalists and on English, Italian, and French songs. Sophomore year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

## **MUSI 279 - Applied Woodwinds**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses in technical studies and the development of a recital repertoire for woodwinds. Performance in student recitals and a minimum ten hours practice per week required. Sophomore year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 179

## **MUSI 281 - Harmony, Sight Singing, and Ear Training II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 1

Further study of harmonic elements with emphasis on analysis of primary and secondary triads, seventh chords, and cadences in the content of compositions representing the major historical style periods. Introduction to small forms, nonharmonic tones and melody harmonization. Continuation of part-writing principles, sight singing, ear training, keyboard activities, and computer application of concepts studied.

**Prerequisite:** MUSI 152

## **MUSI 285 - World Music Cultures**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of predominantly non-western traditional musical cultures, including ethnic origins of folk and traditional music in the Americas, Africa, the Middle East, and Asia. This course analyzes the various characteristics of global music culture, including the relationship of music to language, ceremony, and cultural practices such as storytelling and dance. The course is open to all students, and no prior knowledge of music is necessary. Students will listen to musical selections, attend selected events, and write essays about these experiences.

## **MUSI 292 - Harmony, Sight Singing, and Ear Training III**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 1

Further study of harmonic materials of previous theory courses, including nonharmonic tones, principles of harmonic progression, and part-writing procedures involving more complex harmonies. Introduction of secondary dominants, elementary modulation, and small forms such as phrases, periods, and phrase groups. Creative work, keyboard harmony, sight singing, ear training, analysis, and computer assignments will provide opportunities for application of theoretical concepts studied

**Prerequisite:** MUSI 281

## **MUSI 331 - Instructional and Classroom Design in Music**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on key elements of instructional and classroom design in music. Topics include: classroom management, teaching techniques, special learners, and lesson plan design. Advanced topics include: edTPA and technology in the music classroom. This course also requires 20 hours of field experience.

**Prerequisite:** MUSI 221

## **MUSI 341 - Class Brass**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A study of basic concepts, techniques, and information related to offering instruction on the brass instruments - trumpet, French horn, trombone, euphonium, tuba - in the public schools.

**Prerequisite:** MUSI 152

## **MUSI 342 - Class Percussion**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A study of basic concepts, techniques, and information related to offering instruction in total percussion, including snare drum, keyboard percussion, timpani, accessory percussion, drum set, world percussion, and electronic percussion in the public schools.

**Prerequisite:** MUSI 152

## **MUSI 350 - Band Pedagogy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is design to provide the students the fundamentals and techniques of how a band works administratively and pedagogically.

**Prerequisite:** MUSI 381

## **MUSI 351 - Music History I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey of the development of music from antiquity through the seventeenth century.

**Prerequisite:** MUSI 152

## **MUSI 352 - Music History II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey of the development of music from the culmination of the Baroque era in the early eighteenth century to the present day, with emphasis on performance practices and on works of major composers of the late Baroque and Rococo periods; the Viennese Classical School; the Romantic, Post-Romantic, and Impressionist periods; and the twentieth century.

**Prerequisite:** MUSI 152

## **MUSI 354 - Form and Analysis**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

A study of standard musical forms and structures and the principles upon which they are organized. The course aims to sensitize students to the musical events, including cadences, changes in tonality, meter, texture, and timbre, etc. that indicate important points in a composition's design.

**Prerequisite:** MUSI 352 and MUSI 381

## **MUSI 360 - Trumpet Pedagogy I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The development of advanced skills in pedagogy for teaching trumpet. The course will emphasize solo and orchestral literature for trumpet.

**Prerequisite:** MUSI 341 and/or two semesters of MUSI 267

## **MUSI 367 - Applied Brass**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses for the brass player focusing on the continuing development of playing habits, with an emphasis on embouchure development, technique development and recital repertoire. Junior year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 267 and Sophomore Qualifying Exam

## **MUSI 369 - Applied Organ**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of advanced courses in organ literature, including works of Bach, Buxtehude, Handel, Mendelssohn, Franck, Widor, etc., and incorporating elements of church service playing, hymn playing, and anthem accompaniment, as well as orders of liturgical services and other special services. Performance from memory. Junior year sequence. MUSI 165 - Music Seminar/Recital Hour required.

**Prerequisite:** MUSI 280 and MUSI 269 and Sophomore Qualifying Exam

## **MUSI 370 - Percussion Pedagogy I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The development of advanced skills in pedagogy for teaching percussion. The course emphasizes solo and orchestral literature for the snare drum (rudimental and concert), keyboard percussion (two and four mallet),



Timpani, and Accessory Percussion.

**Prerequisite:** MUSI 342 and/or two semesters of MUSI 273

### **MUSI 371 - Applied Piano**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A continuation of technical piano studies, focusing on compositional form and performance style in works from the various historical periods, including the Bach's Preludes and Fugues from the Well-Tempered Clavier; Haydn's Sonatas; Chopin's Nocturnes; Brahms' Intermezzos; and Bartok's Mikrokosmos, Vol. V, or Sonatina. Junior year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 271 and Sophomore Qualifying Exam

### **MUSI 373 - Applied Percussion**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses in technical studies and recital repertoire development for percussion instruments, especially the marimba and the tympani. Performance in student recitals and a minimum of ten hours practice per week required. Junior year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 273 and Sophomore Qualifying Exam

### **MUSI 375 - Applied Strings**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses in technical studies and recital repertoire development for strings. Performance in student recitals and a minimum of ten hours practice per week required. Junior year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 275 and Sophomore Qualifying Exam

### **MUSI 377 - Applied Voice**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A comprehensive study of English, Italian, French, and German songs. This course is intended to help students build a repertoire for the senior recital. Junior year sequence. MUSI 165 - Music Seminar/Recital

Hour required.

**Prerequisite:** MUSI 277 and Sophomore Qualifying Exam

### **MUSI 379 - Applied Woodwinds**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses in technical studies and recital repertoire development for woodwinds. Performance in student recitals and a minimum of ten hours practice per week required. Junior year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 279 and Sophomore Qualifying Exam

### **MUSI 380 - Applied Brass**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of advanced courses in organ literature, including works of Bach, Buxtehude, Handel, Mendelssohn, Franck, Widor, etc., and incorporating elements of church service playing, hymn playing, and anthem accompaniment, as well as orders of liturgical services and other special services. Performance from memory. Junior year sequence.

### **MUSI 381 - Harmony, Sight Singing, and Ear Training IV**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 1

A study in advanced harmonic materials, including diminished seventh, Neapolitan sixth, borrowed, and augmented sixth chords, as well as ninth, eleventh, and thirteenth chords. Introduction to binary, ternary, and composite forms; continuation of part-writing activities, harmonic analysis, sight singing and ear training exercises, keyboard harmony, and computer assignments. Introduction to twentieth-century harmonic practices such as whole tone scales, atonality, serialism, etc.

**Prerequisite:** MUSI 292

### **MUSI 391 - Conducting (Elementary)**

**Credit Hours:** 1

**Lecture Hours:** 2

**Lab Hours:** 0

The development of manual techniques, score studies, and listening skills related to the conducting of instrumental and vocal ensembles.

**Prerequisite:** MUSI 152

## **MUSI 394 - Choral Conducting**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A course developing the oral, visual, and aural skills necessary to conduct vocal ensembles, including mixed choirs, female choirs, and male choirs, as well as the skills and proficiency to read scores of compositions such as madrigals, motets, anthems, oratorios, and cantatas.

**Prerequisite:** MUSI 281 and MUSI 391

## **MUSI 396 - Instrumental Conducting**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A course developing the aural, visual, and oral skills necessary to conduct instrumental ensembles, including marching bands, concert bands, and jazz ensembles, and to increase proficiency in score reading.

**Prerequisite:** MUSI 281 and MUSI 391

## **MUSI 420 - Choral Literature**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A study of choral literature from 1450 through the twentieth century, including such activities as listening to and analyzing works.

**Prerequisite:** MUSI 381

## **MUSI 421 - Instrumental Literature**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 0

This course introduces musical literature from both the wind band and string orchestra areas. Topics include: various musical genres, score study, and music for various ability levels. Advanced topics include: programming appropriate literature by level.

**Prerequisite:** MUSI 155

## **MUSI 430 - Keyboard Literature**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A survey of music written for solo stringed keyboard instruments from the early Renaissance to the early decades of the twentieth century. Major works of the master composers will be studied and heard, and students will become familiar with the important keyboard genres, which comprise these composers' work.

**Prerequisite:** MUSI 381

### **MUSI 431 - Orchestration**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

A study of methods and techniques for arranging compositions for band and orchestral ensembles, with special attention to transposition techniques and to basic compositional principles.

**Prerequisite:** MUSI 381

### **MUSI 440 - Woodwind Literature**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A study in the listening, analysis, and evaluation of woodwind solo and ensemble music, in the evaluation of materials for technique development, and in the evaluation and selection of musical scores for band and symphonic performances.

**Prerequisite:** MUSI 381

### **MUSI 441 - Methods and Materials (Elementary)**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of curriculum, materials, and procedures for music instruction in elementary and intermediate grades.

**Prerequisite:** MUSI 381

### **MUSI 460 - Trumpet Pedagogy II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The continued development of advanced skills in pedagogy for teaching trumpet. The course emphasizes trumpet ensemble literature and related chamber literature with trumpet.

**Prerequisite:** MUSI 360

### **MUSI 461 - Class Guitar**

**Credit Hours:** 2  
**Lecture Hours:** 0  
**Lab Hours:** 1

A course giving the student a basic understanding of classical guitar notation and technique, with the focus of instruction devoted to technical skills, sight reading, and performing simple pieces.

### **MUSI 462 - Music Composition**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

A study in musical composition that includes writing pieces in basic binary and ternary song forms, variations, and sonata-allegro and rondo forms, with emphasis on integrating materials learned in harmony, counterpoint, and orchestration.

**Prerequisite:** MUSI 381

### **MUSI 467 - Applied Brass**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

Senior recital preparation, with emphasis on the development of advanced techniques for brass performance. Senior recital repertoire approval by instructor and music faculty committee required in second semester course. Senior year sequence. Senior recital preparation, with emphasis on the development of advanced techniques for brass performance. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit. Senior year sequence.

**Prerequisite:** MUSI 367

### **MUSI 469 - Applied Organ**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

Continued study and practice of repertoire works, with emphasis on larger and more difficult compositions from the general literature and on the satisfactory public performance of a memorized composition in larger form. Senior year sequence. MUSI 165 - Music Seminar/Recital Hour required.

**Prerequisite:** MUSI 380 and MUSI 369

### **MUSI 470 - Percussion Pedagogy II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The continued development of advanced skills in pedagogy for teaching percussion. The emphasis will be on the area of percussion ensemble literature and related chamber literature with percussion.

**Prerequisite:** MUSI 370

### **MUSI 471 - Applied Piano**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses in piano study to develop and refine performance techniques and to begin preparations and repertoire practice for the senior recital, with selections chosen from such works as Bach's Well-Tempered Clavier (selections); Bach's French Suites; Mozart or Beethoven's Sonatas; Chopin's Preludes or Nocturnes; Bartok's Mikrokosmos, Vol. VI, Allegro Barbara or Suite, Op. 14; or other works. Senior year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 371

### **MUSI 473 - Applied Percussion**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

A sequence of courses for the percussionist focusing on senior recital preparation with emphasis on the development of advanced techniques for percussion. Senior year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

### **MUSI 475 - Applied Strings**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

Senior recital preparation, with emphasis on the development of advanced techniques for strings. Senior recital repertoire approval by instructor required in second semester. Senior year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 375

### **MUSI 477 - Applied Voice**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

In-depth studies of vocal techniques and the literature from Baroque to Contemporary periods, with emphasis on preparations for the senior recital. Senior year sequence. MUSI 165 required. May be repeated once for

credit.

**Prerequisite:** MUSI 377

## **MUSI 479 - Applied Woodwinds**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

Senior recital preparation, with emphasis on the development of advanced techniques for woodwinds. Senior recital repertoire approval by instructor required in second semester. Senior year sequence. MUSI 165 - Music Seminar/Recital Hour required. May be repeated once for credit.

**Prerequisite:** MUSI 379

## **MUSI 491 - Vocal Literature**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

A survey of vocal music from the Renaissance to the 20th century, including listening, singing, and analyzing music.

**Prerequisite:** MUSI 381

## **MUSI 492 - Keyboard Pedagogy**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

Keyboard pedagogy is the study of the specific principles of teaching piano and its literature from a child's first lesson through the advanced high school level. Students majoring in an instrument other than piano benefit from the universal knowledge of establishing and managing a teaching studio. Concepts addressing effective teaching and learning how to administer proficiency exams are part of the class as well. In-class teaching experience and outside observations will be conducted to help students of piano pedagogy gain confidence in their ability to be successful teachers.

## **MUSI 499 - Senior Recital**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 1

A performance program of at least fifty minutes, consisting of works representing various styles and periods.

**Prerequisite:** MUSI 351 and MUSI 352 and MUSI 381 and MUSI 400-level of applied courses (instrumental, keyboard, or voice)

## Natural Science

### NSCI 100 - Calculations in Sciences

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 3

This course provides a strong foundation of mathematics common to introductory level chemistry and physics and thus it serves as a good preparation course for these courses. Topics include, but are not limited to, scientific notation, metric system, significant figures, conversion factors, word problems, important calculations in stoichiometry, properties of functions, curve sketching, trigonometry, hyperbolics, parametric equations, polar coordinates, imaginary numbers, complex numbers, vectors, intersections and distances, dimensional analysis, kinematics, Newton's laws, and circular motion. The 3-hour per week studio teaching consists of the introduction of the topics; active, collaborative, and cooperative learning; practice of the concepts; and graded activities.

### NSCI 111 - Comprehensive Physical Science Lecture

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This one-semester course is designed for non-science majors to present major concepts of basic physics and chemistry with particular emphasis on relevant applications to day to day activities.

**Prerequisite:** MATH 123 or higher

### NSCI 111L - Comprehensive Physical Science Laboratory

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

This laboratory course is designed to practice and train laboratory techniques and skills based upon basic concepts of physics and chemistry with particular emphasis on relevant applications to day to day activities. Laboratory activities will help in developing critical thinking and analytical skills.

**Prerequisite:** MATH 123 or higher

### NSCI 121 - Modern Biology

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introductory course covering basic biological concepts that provides the student with a comprehensive survey of biological sciences. Some important areas which will be investigated are: cell structure and



reproduction, energy relationships at the cellular level, genetics, DNA, evolution, ecology, bacteria, protists, fungi, plants, and animal organ systems.

## **NSCI 121L - Modern Biology Lab**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

The lab topics will cover the process of science, pH and buffers, macromolecules, the use of microscope, cellular respiration, basic genetics, digestive system, circulatory system, sensory system, and ecology.

**Corequisite:** NSCI 121

## **Nursing**

### **NURS 300 - Transition to Professional Nursing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course focuses on the role of the professional nurse and provides an overview of the delivery of professional nursing practices and role transition. Advanced theoretical concepts will be examined using the nursing process as a framework. Prerequisite: Acceptance into the RN BSN Nursing program

### **NURS 310 - Transcultural Nursing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to assist the nurse to expand his/her view of man. Man is defined as functioning, whole unit with integrity and uniqueness who uses symbols to communicate with the environment. Emphasis will be placed on the concepts of culture, belief systems, health and caring, and how these concepts affect the nursing care delivery system.

**Prerequisite:** NURS 300 (may be taken concurrently)

### **NURS 320 - Health Assessment Across the Life Span**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 1

This course prepares the RN to BSN student to conduct comprehensive health assessments. Emphasis is placed on the acquisition, processing and interpretation of data collected from clients of all ages. A physical, psychological, socio-cultural, and spiritual approach is used to assess the client and to incorporate consideration of the client's needs, state of wellness, developmental level, and response to life experiences. The campus

laboratory experience consists of practice with clients.

**Prerequisite:** NURS 300 (may be taken concurrently)

### **NURS 321 - Health Assessment**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 3

This course prepares the pre-licensure student to conduct comprehensive health assessments. Emphasis is placed on the acquisition, processing and interpretation of data collected from clients of all ages. A physical, psychological, socio-cultural, and spiritual approach is used to assess the client and to incorporate consideration of the client's needs, state of wellness, developmental level, and response to life experiences.

**Prerequisite:** Admission to the upper division

### **NURS 324 - Pathophysiology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course prepares the pre-licensure student to approach complex situations systematically. Emphasis will be placed on the integration and application of pathophysiological concepts to the holistic human in time of physical stress. This course utilizes the nursing process as the basis for examining persons with pathologies requiring multiple dimensions of nursing care.

**Prerequisite:** NURS 321 and NURS 326 and NURS 365

### **NURS 325 - Pathophysiology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course prepares the RN to BSN student to approach complex situations systematically. Emphasis will be placed on the integration and application of pathophysiological concepts to the holistic human in time of physical stress. This course utilizes the nursing process as the basis for examining persons with pathologies requiring multiple dimensions of nursing care.

**Prerequisite:** NURS 300 (may be taken concurrently)

### **NURS 326 - Concepts Basic to Nursing**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

Introductory clinical course designed to introduce the student to conceptual threads and skills fundamental to the practice of nursing.

**Prerequisite:** Admission to the upper division  
**Corequisite:** NURS 321, NURS 326L, and NURS 365

### **NURS 326L - Concepts Basic to Nursing Lab**

**Credit Hours:** 2  
**Lecture Hours:** 0  
**Lab Hours:** 6

The clinical component of NURS 326 allows the student to apply theory, fundamental concepts, and evidence-based clinical nursing skills to the long-term care setting under the supervision of a clinical faculty member.

**Prerequisite:** Admission to the upper division.  
**Corequisite:** NURS 321 , NURS 326 , and NURS 365

### **NURS 330 - Gerontological Nursing**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines the process of aging. Physical, psychological, sociocultural, and spiritual aspects of aging are examined within the context of the family and society. Advanced theoretical concepts of aging will be examined using the nursing process.

**Prerequisite:** NURS 300

### **NURS 350 - Adult Health I**

**Credit Hours:** 6  
**Lecture Hours:** 6  
**Lab Hours:** 0

This course focuses on theoretical, physiological, and pathological concepts used to address the health care needs of adult and elderly clients. Building on the foundations of previous nursing courses and the nursing process, students will examine the impacts of altered health states and plan nursing care for clients experiencing specific basic health alterations. Topics include the nursing management of patients who are experiencing selected basic health alterations related to fluid, electrolyte, acid-base imbalances, infection, respiratory, cardiovascular, musculoskeletal, gastrointestinal, integumentary, sensory, hematological, renal/urinary, endocrine, and altered cell growth disorders.

**Prerequisite:** NURS 321 and NURS 326 and NURS 365.  
**Corequisite:** NURS 350L and NURS 324

### **NURS 350L - Adult Health I Clinical**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 9

This course is the clinical component of NURS 350. Students will have dedicated clinical experiences in peri-operative units, as well as acute and long term care settings. Principles and practices of intravenous therapy are applied to the adult client in this course. Students will also be exposed to clinical laboratory experiences including refinement of psychomotor skills and simulation activities. The clinical course allows the application of nursing skills, knowledge, and critical thinking necessary for safe effective nursing care within a controlled setting.

**Prerequisite:** NURS 321 and NURS 326 and NURS 365.

**Corequisite:** NURS 350 and NURS 324

## **NURS 360 - Pediatric Nursing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course explores the physiological alterations of clients with acute and chronic health care needs. Building on the foundations of previous nursing courses and the nursing process, students will examine the impact of and plan nursing care for pediatric clients experiencing acute and/or chronic alterations. Utilizing the nursing process and nursing management, psychosocial and physiological adaptations will be examined in the context of social justice, cultural competence, and equity of health care.

**Prerequisite:** NURS 350 and NURS 350L.

**Corequisite:** NURS 360L

## **NURS 360L - Pediatric Nursing Clinical**

**Credit Hours:** 2

**Lecture Hours:** 0

**Lab Hours:** 6

This course is the clinical component of NURS 360. Students will have dedicated clinical experiences in community based and acute pediatric settings. Students will also be exposed to clinical laboratory experiences including refinement of psychomotor skills and simulation activities related to pediatric nursing. The clinical course allows the application of nursing skills, knowledge, and critical thinking necessary for safe effective nursing care of pediatric populations.

**Prerequisite:** NURS 350 and NURS 350L.

**Corequisite:** NURS 360

## **NURS 361 - Obstetrics and Women's Health**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces nursing concepts related to women's health, pregnancy and care of the newborn. The unique needs of reproducing families will be explored. Building on the foundation of previous nursing courses and the nursing process, the student will explore nursing care for women with reproductive concerns as well as nursing care during preconception, perinatal, postpartum, and neonatal periods. Tasks of pregnancy,

psychosocial adaptation, biological-behavioral concepts in obstetric nursing care within the context of social justice, cultural competence, and equity will be addressed.

**Prerequisite:** NURS 350 and NURS 350L.

**Corequisite:** NURS 361L

### **NURS 361L - Obstetrics and Women's Health Clinical**

**Credit Hours:** 2

**Lecture Hours:** 0

**Lab Hours:** 6

This course is the clinical component of NURS 361. Students will have dedicated clinical experiences in a variety of community and obstetrical settings. Students will also be exposed to clinical laboratory experiences including refinement of psychomotor skills and simulation activities related to obstetric nursing. The clinical course allows the application of nursing skills, knowledge, and critical thinking necessary for safe effective nursing care of women with reproductive issues and obstetric populations.

**Prerequisite:** NURS 350 and NURS 350L.

**Corequisite:** NURS 361

### **NURS 365 - Pharmacological Concepts**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Survey of pharmacology and pharmacotherapy in health care. The student will explore pharmacology and pharmacokinetics of different classes of drugs, legal responsibilities, and safe drug administration.

**Prerequisite:** Admission to the upper division

### **NURS 400 - Nursing Research and Theory (RN to BSN)**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed for the RN to BSN student and focuses on the cognitive and professional skills of nursing research and theory. The cognitive skills emphasized include critical thinking, problem solving, research critique, and theory utilization in professional nursing practice. The professional skills include valuing research as a basis for professional nursing practice.

**Prerequisite:** NURS 300

### **NURS 401 - Nursing Research and Theory (Pre-licensure)**

**Credit Hours:** 1-2 variable credits

**Lecture Hours:** 1-2

**Lab Hours:** 0

This variable credit course is designed for the pre-licensure student and focuses on the cognitive and professional skills of nursing research and theory. The cognitive skills emphasized include critical thinking, problem solving, research critique, and theory utilization in professional nursing practice. The professional skills include valuing research as a basis for professional nursing practice.

**Prerequisite:** STAT 202 and NURS 321 and NURS 326

### **NURS 401S - Nursing Research and Theory Seminar**

**Credit Hours:** 1

**Lecture Hours:** 1

**Lab Hours:** 0

This is a seminar course in which students apply concepts through an evidence based project that focuses on the cognitive and professional skills of nursing research and theory. The cognitive skills emphasized include critical thinking, problem solving, research critique, and theory utilization in professional nursing practice. The professional skills include valuing research as a basis for professional nursing practice

**Prerequisite:** STAT 202 and NURS 321 and NURS 326 and NURS 401 (can be taken concurrently)

### **NURS 402 - Selected Topics**

**Credit Hours:** 1 or 2 or 3

**Lecture Hours:** 1 or 2 or 3

**Lab Hours:** 0 or 0 or 0

This is an elective nursing course to investigate a specific area of research, remedial work, or course work. The course is designed to facilitate the student's academic achievements. The structure of the course is student-driven and the student will work under the advisement of a faculty member. The department chair or designee must approve the student's selected topic(s). The course may be repeated for credit with a change of topic.

### **NURS 405 - Psychiatric Nursing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces nursing concepts related to psychiatric/mental health. The unique needs of clients with mental-health issues are explored. Building on the foundation of previous nursing courses and the nursing process, the student will examine client responses to stressors across the life span. Tasks of biological-behavioral concepts in psychiatric nursing care, and cultural impacts will be addressed.

**Prerequisite:** NURS 324 and NURS 350 and NURS 350L.

**Corequisite:** NURS 405L

### **NURS 405L - Psychiatric Nursing Clinical**

**Credit Hours:** 2

**Lecture Hours:** 0

**Lab Hours:** 6

This course is the clinical component of NURS 405. Students will have dedicated clinical experiences in in-patient, outpatient as well as community based psychiatric/mental health settings.

**Prerequisite:** NURS 324 and NURS 350 and NURS 350L.

**Corequisite:** NURS 405

## **NURS 406 - Community Health Nursing**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to provide students the opportunity to assist culturally diverse populations and aggregates in the community to achieve an optimum level of wellness. Special emphasis will be placed on advanced theoretical concepts related to health promotion, risk reduction, disease prevention, and development processes.

**Prerequisite:** Prerequisite: NURS 360 and NURS 360L and NURS 361 and NURS 361L and NURS 401 and NURS 405 and NURS 405L and NURS 451 and NURS 451L.

**Corequisite:** Co-requisite: NURS 406L

## **NURS 406L - Community Health Nursing Clinical**

**Credit Hours:** 2

**Lecture Hours:** 0

**Lab Hours:** 6

This course is the clinical component of NURS 406. This course provides students with the opportunity to apply community nursing concepts to individuals, families and communities through faculty and preceptor guided clinical experiences.

**Prerequisite:** NURS 360 and NURS 360L and NURS 361 and NURS 361L and NURS 401 and NURS 405 and NURS 405L and NURS 451 and NURS 451L.

**Corequisite:** NURS 406

## **NURS 410 - Nursing Leadership**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

This course is designed for the pre-licensure student to analyze the role of the professional nurse as a leader in the profession and health care delivery. The course will focus on nursing leaders as vanguards of the profession and the role of the nurse leader in health care delivery systems. Advance theoretical concepts will be examined using the nursing process as a framework.

**Prerequisite:** NURS 360 and NURS 360L and NURS 361 and NURS 361L and NURS 401 and NURS 405 and NURS 405L and NURS 451 and NURS 451L.

## **NURS 411 - Nursing Leadership Perspectives and Trends in Contemporary Nursing Practice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to analyze the role of the professional nurse as a leader in the profession and health care delivery. The course will focus on nursing leaders as vanguards of the profession and the role of the nurse leader in health care delivery. Advanced theoretical concepts will be examined using the nursing process as a framework.

**Prerequisite:** NURS 300

## **NURS 421 - Nursing and Women's Health**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to focus on the current health care challenges and issues of women's health and implications for professional nursing practice. Women's roles in a complex society will be examined to facilitate increased self awareness as consumers and providers in the health care delivery system.

**Prerequisite:** NURS 300

## **NURS 430 - Contemporary Supportive Community Nursing**

**Credit Hours:** 5

**Lecture Hours:** 3

**Lab Hours:** 2

This course is designed to provide the opportunity for the RN to BSN student to assist culturally diverse populations and aggregates within the community to achieve an optimal level of wellness. Special emphasis will be placed on advanced theoretical concepts related to health promotion, risk reduction, disease prevention, and developmental processes. The process of professional role development will be fostered through both independent and interdependent clinical experiences.

**Prerequisite:** NURS 300 and NURS 400 (may be taken concurrently)

## **NURS 450 - Professional Nursing Issues in Practice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to promote student responsibility and accountability for professional nursing practice by strengthening professional nursing roles and behaviors.

**Prerequisite:** NURS 300 and NURS 310



## **NURS 451 - Adult Health II**

**Credit Hours:** 6

**Lecture Hours:** 6

**Lab Hours:** 0

This course is an expansion of Adult Health I and focuses on theoretical, physiological and pathological concepts used to address complex and multi-system health needs of adults and the elderly who are experiencing selected complex health alterations. Topics include the nursing management of clients experiencing selected complex health alterations related to fluid, gastrointestinal, renal/urinary, endocrine, reproductive, sensory-neural, hematological, and neurological disorders. Additionally, the course will include the care of the critically ill as well as concepts of emergency care and disaster planning.

**Prerequisite:** NURS 324 and NURS 350 and NURS 350L.

**Corequisite:** NURS 451L

## **NURS 451L - Adult Health II Clinical**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

This course is the clinical component of NURS 451. Students will have dedicated clinical experiences in acute care settings including critical care units. Students will also be exposed to clinical laboratory experiences including refinement of psychomotor skills and simulation activities related to adult health. The clinical course allows the application of nursing skills, knowledge, and critical thinking necessary for safe effective nursing care of adults.

**Prerequisite:** NURS 324 and NURS 350 and NURS 350L.

**Corequisite:** NURS 451

## **NURS 480 - Senior Practicum**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

This practicum course is the capstone experience that includes synthesis of nursing cognates and general education. This course is designed to provide students with the opportunity to integrate clinical and theoretical learning from previous nursing courses through a role-transition clinical experience. In consultation with the instructor, students plan, coordinate, implement, and evaluate a unique senior project using the nursing process with a focus on a professional nursing role. The purpose is for students to function in one of the professional nursing roles and further the transition from student nurse to professional nurse.

**Prerequisite:** NURS 300 and NURS 310 and NURS 320 and NURS 325 and NURS 400 and NURS 411 and NURS 430 and NURS 330 or NURS 421

## **NURS 481 - Capstone Theory**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

This capstone course is designed as a synthesis of theoretical nursing concepts through the use of case studies, application exercises and simulation activities.

**Prerequisite:** NURS 360L and NURS 360 and NURS 361L and NURS 361 and NURS 401 and NURS 405L and NURS 405 and NURS 451 and NURS 451L

**Corequisite:** NURS 481L

## **NURS 481L - Capstone Clinical**

**Credit Hours:** 3  
**Lecture Hours:** 0  
**Lab Hours:** 9

This course is designed to provide students with the opportunity to comprehensively apply and integrate synthesized theoretical and clinical experiences from previous nursing courses into a capstone experience. This course provides student with the opportunity to comprehensively apply clinical concepts through faculty and preceptor guided clinical experiences.

**Prerequisite:** NURS 360 and NURS 360L and NURS 361 and NURS 361L and NURS 401 and NURS 405L and NURS 405 and NURS 451L and NURS 451

**Corequisite:** NURS 481

## **PNUR 212 - Basic Nursing I**

**Credit Hours:** 2  
**Lecture Hours:** 0  
**Lab Hours:** 6

This elective introductory nursing course includes basic nursing skills required to provide safe, competent personal care for individuals. Emphasis is placed on person-centered care, the aging process, communication, safety/ emergencies, infection prevention, legal and ethical issues, measurements, elimination, nutrition, basic restorative care/ rehabilitation, dementia, mental health, and end-of-life care. Upon completion of this course, students should be able to demonstrate knowledge and skills necessary to be eligible to test for listing on the North Carolina Nurse Aide I Registry.

## **PNUR 214 - Basic Nursing II**

**Credit Hours:** 2  
**Lecture Hours:** 0  
**Lab Hours:** 6

This elective course provides didactic, laboratory, and clinical training in selected advanced nurse aid procedures. Emphasis is placed on the role of the Nurse Aide II: sterile technique; respiratory care to include oxygen therapy, oropharyngeal and nasopharyngeal suctioning, and tracheostomy care; wound care; peripheral IV assistive activities; elimination procedures to include ostomy care, urinary catheterization and fecal impaction; and nutrition and alternative methods for providing nourishment. Upon completion of the course, the

student should be able to demonstrate the knowledge and safe performance of skills necessary to qualify as a Nurse Aide II with the North Carolina Board of Nursing.

## **Physical Education**

### **PEDU 100 - Individual Physical Education Activities**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

Special activities designed for students with physical disabilities or verified health problems that prevent their participation in vigorous physical education.

### **PEDU 101 - Swimming (Coed)**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

An introductory course in the fundamentals of swimming, with instruction provided at the beginning swimmers level of the Red Cross Program.

### **PEDU 102 - Dance**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

A course for beginning dancers, emphasizing movement as a medium of expression in the development of dance technique, locomotor skills, and creativity.

### **PEDU 103 - Jogging**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

This activity course is designed to improve student understanding of the component parts of fitness (muscular strength and endurance, cardiovascular endurance, flexibility and body composition) and their relationship to his/her individual needs.

### **PEDU 106 - Beginning Soccer**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

This course is designed to teach students the fundamental skills and strategies of soccer. The students will understand and become familiar with the rules and regulations, consequently enhancing self-confidence and satisfaction in teaching and participating in soccer.

### **PEDU 107 - Weight Training**

**Credit Hours: 1**

**Lecture Hours: 2**

**Lab Hours: 0**

This course is designed to familiarize students with weight training and body conditioning. Emphasis will be placed on proper lifting techniques, weight training for conditioning, body building, and power lifting.

### **PEDU 110 - Softball**

**Credit Hours: 1**

**Lecture Hours: 2**

**Lab Hours: 0**

The study and practice of the fundamentals of softball, including rules, playing strategies, team offense and defense, and techniques of base running, catching, throwing, and batting.

### **PEDU 111 - Stunts, Tumbling and Trampoline**

**Credit Hours: 1**

**Lecture Hours: 2**

**Lab Hours: 0**

The study and practice of fundamentals for performing beginning stunts and tumbling exercises safely and skillfully.

### **PEDU 112 - Golf**

**Credit Hours: 1**

**Lecture Hours: 2**

**Lab Hours: 0**

The study and practice of beginning golf, with emphasis on terminology, rules, customary courtesies, and appropriate use of the following clubs: mid-irons, short-irons, putter, and woods.

### **PEDU 120 - Tennis and Badminton**

**Credit Hours: 1**

**Lecture Hours: 2**

**Lab Hours: 0**

The study and practice of fundamentals involved in singles and doubles play in tennis and badminton, including rules, techniques, and skills.

### **PEDU 121 - Archery and Table-Tennis**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

A practical study of the historical development, rules, techniques, and basic skills of archery and table tennis.

### **PEDU 122 - Volleyball**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

A practical study of the fundamentals of volleyball, including the historical development of the game and the rules and techniques of serving, setting, volleying, and scoring basic to playing the game.

### **PEDU 130 - Basketball**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

A practical study of the fundamentals of basketball, including the rules and historical development of the game, techniques of passing, dribbling, shooting, and conditioning, playing strategies, and team offense and defense.

### **PEDU 131 - Theory of Physical Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the philosophical, historical, biological, sociological, and psychological foundations of physical education.

### **PEDU 132 - Bowling**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

A practical study of the rules, performance skills, and techniques for beginning bowling.

### **PEDU 140 - Conditioning Exercise**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

A practical study of conditioning exercises, individual and group, for improving health and fitness, posture, and appearance.

### **PEDU 141 - Racquetball**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

This course introduces the beginner to the basic skills of racquetball, including scoreboard and backhand drives, grips, footwork, and serves. Safety considerations as well as rules and terminology are covered. Basic strategy is presented involving the return of service, use of ceiling and rear wall, and passing and kill shots. The course prepares the beginner for play in singles, doubles, and cutthroat.

### **PEDU 200 - Swimming I**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

A course for physical education majors who already swim, emphasizing the following skills: a fully-coordinated crawl stroke, back stroke, open turn, treading water, surface turns, underwater swimming, back float, and standing front dive. (For physical education majors).

### **PEDU 201 - Swimming II**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

A course in swimming emphasizing the following swimming strokes and skills: breast stroke, inverted breast stroke, trudgen crawl, side stroke, American crawl, butterfly, and fundamental diving skills.

### **PEDU 202 - Individual and Dual Sports**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

A practical introduction to the individual and dual sports of archery, camping, and indoor and outdoor games, with emphasis on the knowledge base of each sport, teaching techniques and methods, playing strategies, mechanical analyses, and skill development.

## **PEDU 204 - Methods and Materials in Individual and Dual Sports**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A practical introduction to the individual and dual sports of tennis, golf, badminton, archery, camping, and recreating sports with emphasis on the knowledge base of each sport, the methods and techniques of teaching each, playing strategies, mechanical analyses, and skill development.

## **PEDU 205 - Net/ Wall and Field/ Striking Games**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

Students will learn the fundamental skills for game performance; history, rules, and game strategy for net/ wall and field/ striking games.

## **PEDU 210 - Team Sports I**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

Soccer and Volleyball: A course in team sports, focusing on development of sport skills in flag/ touch football, volleyball, and soccer. This includes learning techniques for the acquisition and retention of neuromuscular skills.

## **PEDU 212 - Gymnastics and Stunts**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

A course in the development of physical coordination, strength, and related teaching techniques through practice sessions on the trampoline, parallel bars, side horse, and mats.

## **PEDU 214 - Methods and Materials in Team Sports**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course in team sports, focusing on the development of sport skills in track and field, flag/ touch football, volleyball, soccer, basketball, and softball. This course includes the learning of methods and techniques for the acquisition and retention of neuromuscular skills.

## **PEDU 215 - Target and Invasion Games**

**Credit Hours:** 1  
**Lecture Hours:** 1  
**Lab Hours:** 0

Students will learn the fundamental skills for game performance; history, rules, and game strategy for target and invasion games.

## **PEDU 290 - Modern Dance**

**Credit Hours:** 2  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course focusing on the development of kinetic awareness in sequences and movements, with emphasis on a practical knowledge of locomotor and non-locomotor movements related to modern dance basic to enhancing dance techniques, locomotor skills, and creativity.

## **PEDU 300 - Practicum in Phy Education**

**Credit Hours:** 1  
**Lecture Hours:** 2  
**Lab Hours:** 0

A practical course in physical education incorporating supervised experience in the development of teaching skills and leadership abilities appropriate to classroom settings, with emphasis on arranging equipment, organizing groups for skills practice, measuring and marking play areas, and selecting and administering skills tests.

## **PEDU 302 - Motor Learning**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

A study of the physiological and psychological variables associated with motor performance and skill acquisition and retention, with special attention to theories and principles of psychomotor skills learning, research studies and relevant issues related to motor learning, and the role of physical movement in the acquisition of knowledge and skills in non-motor subject matter areas.

## **PEDU 310 - Rhythms and Movement Concepts for Physical Education**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0



A practical study of the rhythmic structures of dance movements and their promotion of motor skill development. The course will also explore the development of physical coordination, strength, and related teaching techniques of floor gymnastics.

### **PEDU 311 - History and Principles**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the philosophical, historical, biological, sociological, and psychological foundations of physical education and sports, sports curriculum development, and motor learning theories.

### **PEDU 320 - Methods and Materials of Teaching Health Education and Physical Education**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to methods and materials basic to elementary school health and physical education programs.

### **PEDU 321 - Educational Games for Early Childhood Physical Education K-6**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An in-depth experience in the teaching of physical education activities to preschool and primary children.

### **PEDU 322 - Physical Education in Middle Grades 6-9**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to methods and materials basic to developing programs and teaching physical education activities appropriate to children in the Middle Grades.

### **PEDU 331 - Kinesiology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the musculature and bone structure of the human body and their relationship to physical movement,

joint mechanisms, leverage, and muscle actions.

**Prerequisite:** BIOL 230

### **PEDU 341 - Basketball Theory**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 0

An exploration of theories of basketball, with additional emphasis on organization and supervision of programs, motivation, evaluation, ethics, philosophy, planning, drills, and offensive and defensive skills.

### **PEDU 342 - Track Theory**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the theories and practices of teaching and coaching specific track events, with emphasis on research and performance techniques, track and field meet administration, and rules of the sport.

### **PEDU 350 - Functional Anatomy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An advanced examination of the structure and function of the various systems of the human body as they relate to the clinical aspect of sports performance.

### **PEDU 351 - Football Theory**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 0

An exploration of theories of football, with additional emphasis on organization and supervision of programs, motivation, evaluation, ethics, philosophy, planning, drills, and offensive and defensive skills.

### **PEDU 360 - Theory and Practice in Elementary Physical Education**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Students explore and learn to apply instructional methods in physical education settings, including environmental arrangements, task presentations, content development, and feedback. Students apply

instructional principles to small peer group settings using open and closed motor skills. Requirements for each teaching episode include the development of a written lesson plan and submission of a written self-reflection on teaching. Students use technological skills to critique and evaluate their instructional methods.

### **PEDU 361 - Sport Officiating**

**Credit Hours: 2**

**Lecture Hours: 2**

**Lab Hours: 0**

A study of the rules and mechanics for officiating at various seasonal sports, with practical experience in officiating at university intramural programs and in observing and evaluating officials in regularly scheduled contests.

### **PEDU 362 - Lifesaving and Water Instruction**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A course to provide students with the knowledge and skills to save their own lives or the life of another in the event of an emergency. Major emphasis will be placed on personal safety, self rescue, rescue training skills, and back injury problems. Instruction and participation in swimming for the development of advanced skills and techniques will include methods and materials for teaching all levels of swimming.

**Prerequisite:** PEDU 201

### **PEDU 411 - Organization and Administration of Health and Physical Education**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of the organization and administration of programs in health and physical education, including such topics as philosophy, program planning, course evaluation, staffing, facilities and equipment management, athletic activities, budgeting and finance, and public relations.

### **PEDU 421 - Measurement and Evaluation**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of measurement and evaluation in health and physical education, including the selection and administration of appropriate tests and the use of fundamental statistical procedures to calculate and interpret results.

### **PEDU 431 - Adapted Physical Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of principles and methods for adapting health and physical education programs to handicapping conditions. These principles and methods will be demonstrated by evaluations of physical, perceptual motor, and postural fitness levels, and the design, implementation, and evaluation of an active diversified adapted program. A 25 clock hour laboratory experience is required.

### **PEDU 440 - Measurement and Evaluation in Health and Physical Education**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of and an introduction to measurement and evaluation in health and physical education, including the selection and administration of appropriate tests and the use of fundamental statistical procedures to calculate and interpret results.

### **PEDU 442 - Modern Dance Theory**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course incorporating the analysis and practice of skills, the exercise of creative processes, and the acquisition of knowledge involved in modern dance. PEDU 450 (4-4-0) Physiology of Exercise and Kinesiology: This course explores the study of the musculature and bone structure of the human body and their relationship to physical movement, joint mechanisms, leverages and muscle action. This course will also emphasize the physiological effect of exercise on the various body systems with emphasis on the musculoskeletal, cardiovascular, and respiratory systems. The use of laboratory techniques in monitoring physiological parameters will also be visited. Prerequisite: Instructor approval

### **PEDU 450 - Physiology of Exercise and Kinesiology**

**Credit Hours:** 4  
**Lecture Hours:** 4  
**Lab Hours:** 0

This course explores the study of the musculature and bone structure of the human body and their relationship to physical movement, joint mechanisms, leverages and muscle action. This course will also emphasize the physiological effect of exercise on the various body systems with emphasis on the musculoskeletal, cardiovascular, and respiratory systems. The use of laboratory techniques in monitoring physiological parameters will also be visited.

**Prerequisite:** Instructor approval

### **PEDU 452 - The Intramural Sports Program**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A practical study of the organization and administration of public and collegiate sports programs.

### **PEDU 460 - Methods and Materials in Physical Education K-12**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course for physical education majors emphasizing the importance of physical activity in the total development of the elementary and secondary student, with attention to the methods and materials, objectives and characteristics of activities appropriate to students in grades K-12, and to techniques for evaluating movement, locomotor, and non-locomotor skills.

### **PEDU 462 - Physiology of Exercise**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the physiological effects of exercise on the various body systems, with emphasis on the musculoskeletal, cardiovascular, and respiratory systems, and on laboratory techniques for monitoring physiological parameters.

**Prerequisite:** PEDU 331

### **PEDU 463 - Athletic Injuries**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A practical study of the principles and applications basic to the prevention, treatment, and rehabilitation of athletic injuries.

### **PEDU 471 - Research Methodology**

**Credit Hours:** 3  
**Lecture Hours:** 33  
**Lab Hours:** 0

A critical analysis and investigation of the current research methods applicable to health and physical education and the changing academic climate.

### **PEDU 472 - Sports in Contemporary American Society**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An interdisciplinary course introducing the social, economic, ethical, moral, and recreational aspects of sports in contemporary society, with special examination of such topics as aggression in sports, the roles of blacks and women in sports, exploitation in sports, and the entertainment value of sports.

### **PEDU 482 - Psychology of Coaching**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A practical study of problems specifically related to coaching, such as recruiting, acquiring a thorough grounding in game rules and playing techniques, organizing practices, and side-line coaching.

### **PEDU 483 - Supervision of Health and Physical Education**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An analysis of current supervisory practices relative to physical education programs in city, county, and state school systems, with emphasis on program planning, fiscal management, and laws pertaining to the conduct of health and physical education programs.

### **PEDU 492 - Wrestling**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A course focusing on the basic skills, tactics, strategies, rules and regulations involved in wrestling.

## **Philosophy**

### **PHIL 110 - Critical Thinking**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An introduction to the basic elements of argumentation, focusing on the analysis, evaluation, and development of claims and arguments in the sciences, the humanities, the social sciences, the applied sciences, and everyday life experiences. The course will strengthen the student's abilities to analyze, evaluate, and develop claims and arguments.

## **PHIL 120 - Moral Principles and Contemporary Moral Issues**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course reviews moral principles and theories and applies them to such contemporary ethical issues as abortion, war, capital punishment, discrimination, poverty, and the environment. Analyzing and evaluating the variety of moral arguments brought to bear on such issues is a major focus of the course.

## **PHIL 210 - Introduction to Philosophy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An analytical study of ancient and modern philosophical problems in metaphysics, the philosophy of religion, epistemology, ethics, and political philosophy, with emphasis on encouraging critical approaches to theoretical and practical issues.

## **PHIL 211 - Introduction to World Religions**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of the religions of the world, including the nature of religious beliefs, spiritual beings and powers, myths, rituals, ethics, religious claims and arguments, and the impact of religions on culture, politics, society, and the daily lives of believers. Traditional African religions, Islam, Hinduism, Buddhism, Christianity, religions of Meso America, religions of Native Americans, Confucianism, Taoism, Shintoism, Judaism, and Sikhism will be addressed.

## **PHIL 212 - African-American Philosophy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a critical examination of the following concepts and issues pertaining to the African-American experience in historical and contemporary periods: oppression, resistance, justice, liberation, separatism, integration, affirmative action, identity, self-respect, race, class, gender, the universality of Western Philosophy, and cultural features of philosophy. These concepts and issues will be addressed through an analysis of writings by major figures such as: Sojourner Truth, Frederick Douglass, W.E.B. DuBois, Alain Locke, Martin Luther King, Jr., Malcolm X, William Jones, Cornel West, Angela Davis, Leonard Harris, Lucius Outlaw, and Bernard Boxill.

## **PHIL 220 - Introduction to Logic**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to techniques of correct reasoning in informal contexts, to Aristotelian and mathematical logic, and to practical applications of logic, for example, in addressing contemporary issues and in completing the logic sections of national examinations such as the GRE, GMAT, LSAT, MCAT, and PRAXIS

### **PHIL 230 - Political and Social Philosophy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to traditional and contemporary social-political thought and its relationship to practice, with emphasis on the interdependence of economic and sociopolitical issues and on the African viewpoint and its relationship to other world views.

### **PHIL 250 - Environmental Ethics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces students to philosophical ethics through an engagement with environmental issues. It focuses on a variety of environmental issues including, but not limited to, endangered and invasive species, pollution, sustainability, population growth, biodiversity loss, non-human welfare, and global climate change. Students will learn basic concepts in ecology and key theoretical frameworks in ethics. The course will strengthen the student's ability to critically analyze the philosophical complexities germane to topics in environmental philosophy including: ecological thinking, sustainability, global environmental challenges, obligations to future generations, and environmental justice.

### **PHIL 270 - Ethics and Intelligence: Is the Robot a Frankenstein's Monster?**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The ethics of artificial intelligence is a branch of applied or practical ethics concerned with robots and other forms of artificial intelligence. Since artificial intelligence (AI) can influence many aspects of our lives, and might harm as well as help us, it is imperative that it operates within an ethical framework. The development of artificial intelligence, then, raises several ethical questions, to be addressed in this course: (1) How might artificial intelligence benefit or harm us?; (2) What limits should there be to the use of AI in war?; (3) What limits should there be to the use of AI in intelligence gathering?; (4) Should robots have rights?; (5) How does the emergence of AI challenge our idea of what it means to be human?; and (6) How might AI change human nature?



## **PHIL 310 - Philosophy of Religion**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course examining the claims of religion from a logical point of view and covering such topics as traditional arguments for the existence of God, the problem of evil, evolution, knowledge and belief, religion and morality, religious experience and verification, and existentialism.

**Prerequisite:** PHIL 110 or PHIL 210 or PHIL 220

## **PHIL 315 - Philosophy of Mind**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course addresses such key, perennial issues in the philosophy of mind as the nature of mind; the relationship of mind to body; the origin of mind; and the evolutionary function and value of mind. Because these issues have been traditionally addressed by philosophy and psychology, and more recently investigated by the empirical methods of neuroscience, it is appropriate and necessary that the course be interdisciplinary among these fields.

**Prerequisite:** PHIL 110 or PHIL 210 or PHIL 220

## **PHIL 320 - Introduction to Ethics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A philosophical exploration of the basis of the good life, involving approaches to the problems of moral belief and practices.

**Prerequisite:** PHIL 110 or PHIL 210 or PHIL 220

## **PHIL 330 - Ancient and Medieval Philosophy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of major philosophical developments from the ancient Greeks through the medieval period, emphasizing Plato, Aristotle, and Aquinas. Students will develop skills in the analysis, development, and evaluation of claims and arguments connected with the ancient and medieval period.

**Prerequisite:** PHIL 110 or PHIL 210 or PHIL 220

## **PHIL 340 - Modern Philosophy**

**Credit Hours:** 3

**Lecture Hours:** 30

This course provides a study of major philosophical developments of the modern period, with emphasis on the arguments of the rationalists and empiricists. Students will develop skills in the analysis, development, and evaluation of claims and arguments of the modern period.

**Prerequisite:** PHIL 110 or PHIL 210 or PHIL 220

### **PHIL 360 - Existentialism**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This seminar in philosophy provides a study of Existentialism as a response to the philosophical problems unique to the post-industrial societies as articulated by Kierkegaard, Nietzsche, Sartre, Camus, et al. Focusing primarily on such major existential themes as choice, responsibility, identity, freedom, and alienation, the students will explore the common concern of these thinkers about human existence and the conditions and quality of the life of the individual.

**Prerequisite:** PHIL 110 or PHIL 210 or PHIL 220

### **PHIL 370 - Philosophy of Science**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides a philosophical exploration of issues in the philosophy of science and technology, and of problems of scientific belief and practice. Topic areas include the value of science; the nature of scientific activities; science and myth; generalization and related inductive reasoning; causal reasoning; scientific theories; science and society; change in science; and, scientific explanation. Students will develop skills in the analysis, development, and evaluation of scientific claims and scientific arguments.

**Prerequisite:** PHIL 110 or PHIL 210 or PHIL 220

### **PHIL 430 - Seminar in Philosophy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Individual or group study and critical discussion of selected philosophical issues.

**Prerequisite:** PHIL 110 or PHIL 210 or PHIL 220

## **Physics**

### **PHYS 110 - Basic Physics**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

An introduction to fundamental concepts of measurements, dimensions and units, scalars and vectors, forces and free-body diagrams, work and energy, with attention to the improvement of problem solving and computational skills.

**Prerequisite:** MATH 123

### **PHYS 113 - General Physics III**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

A continuation of PHYS 112 , emphasizing the concepts and principles of modern physics, including special relativity, quantum physics, nuclear and high energy physics. Conceptual demonstrations of essential principles will be an integrated feature of this course.

**Prerequisite:** PHYS 112

### **PHYS 115 - General Physics I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An algebra-based introductory study of Newtonian mechanics, thermodynamics, and related concepts, with special emphasis on problem solving. Topics include a description of both linear and rotational motion, Newton's laws of motion, conservation principles, heat, and thermodynamics.

**Prerequisite:** MATH 129 and MATH 130 or MATH 131

### **PHYS 116 - General Physics II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of PHYS 115, emphasizing the principles of electricity, magnetism, electromagnetic waves, and geometrical and physical optics.

**Prerequisite:** PHYS 115 and PHYS 125L

### **PHYS 123 - College Physics III**

**Credit Hours:** 2  
**Lecture Hours:** 2  
**Lab Hours:** 0

A continuation of PHYS 122 , emphasizing the principles of special relativity, quantum physics, nuclear and high energy physics. Demonstrations of essential principles will be an integrated feature of this course.

**Prerequisite:** PHYS 122

## **PHYS 125 - College Physics I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A calculus-based introductory study of Newtonian mechanics, wave motion, thermodynamics, and related concepts, with special emphasis on problem solving.

**Prerequisite:** MATH 142 and MATH 241 (may be taken concurrently)

## **PHYS 125L - College Physics I Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

The College Physics I Laboratory will provide a broad array of basic skills of experimental physics and data analysis. Specifically, the course will provide practical knowledge in handling various laboratory apparatus, data collection, graphing, analyzing, and interpreting experimental data mostly related to topics discussed in the lectures.

**Prerequisite:** MATH 129 and MATH 130 or MATH 142

## **PHYS 126 - College Physics II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of PHYS 125, emphasizing the principles of electricity, magnetism, electromagnetic waves, and geometrical and physical optics.

**Prerequisite:** PHYS 125 and PHYS 125L

## **PHYS 126L - College Physics II Laboratory**

**Credit Hours:** 1

**Lecture Hours:** 0

**Lab Hours:** 2

The College Physics II Laboratory activities will provide practical knowledge in handling laboratory apparatus, data collection, and data interpretation related to topics discussed in lectures such as electricity, magnetism, electromagnetic waves, and geometrical and physical optics.

**Prerequisite:** PHYS 115 or PHYS 125 and PHYS 125L

## **PHYS 211 - Mechanics**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

An intermediate-level concentration in mechanics dealing with vector analysis, central force problems, rotational motion, and time, position, and velocity dependent forces, steady state and time varying forced oscillations and the Lagrangian method. Laboratory exercises complement theoretical concepts covered in the course.

**Prerequisite:** MATH 331 (may be taken concurrently) and PHYS 125 and PHYS 125L and MATH 242

## **PHYS 212 - Heat**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

An intermediate-level concentration in thermodynamics dealing with the laws of thermodynamics, open and closed systems, kinetic theory of gases, heat engines, and statistical mechanics with laboratory exercises complementing theory.

**Prerequisite:** MATH 241 and PHYS 126 and PHYS 126L

## **PHYS 301 - Electronics for Scientists**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

An introduction to the foundations of electronics for students of the sciences, with specific consideration of the properties of semi conducting elements. The course emphasizes various types of electronic circuits and devices such as amplifiers, and other solid state devices, using linear and digital circuits. Construction and analysis of electronic circuits and devices, with experimental demonstrations of their uses, are essential components of the course.

**Prerequisite:** MATH 241 (may be taken concurrently) and (PHYS 116 or PHYS 126 ) and PHYS 126L and MATH 142

## **PHYS 302 - Biophysics**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

An introduction to the basic principles of electricity, mechanics, thermodynamics, optics, and acoustics to living organisms and the biosphere. Beginning with the subatomic level, the basic knowledge of physics is used to understand the structure and function of macro-molecules, cellular organelles, the processes occurring within the cell, and behavior of organisms in the environment. The treatment of biological phenomena will be based on

physical principles with appropriate mathematics when necessary.

**Prerequisite:** MATH 241 (may be taken concurrently) and (PHYS 116 or PHYS 126 ) and PHYS 126L

## **PHYS 311 - Electricity and Magnetism I**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

An intermediate-level presentation of the principles and theories of electricity and magnetism, with applications of Maxwell equations and boundary value problems and with laboratory exercises complementing theory.

**Prerequisite:** MATH 331 and PHYS 126 and PHYS 126L and PHYS 211

## **PHYS 312 - Electricity and Magnetism II**

**Credit Hours:** 4

**Lecture Hours:** 3

**Lab Hours:** 2

An intermediate-level presentation of the principles and theories of electricity and magnetism, with emphasis on boundary value problems, collision processes, radiation, and relativity.

**Prerequisite:** PHYS 311

## **PHYS 390 - Fire Dynamics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An examination of fire dynamics within the context of firefighting and its application to fire situations, including combustion, flame spread, flashover, and smoke movement, as well as applications to building codes, large-loss fires, and fire modeling.

## **Pre-Nursing**

### **PNUR 210 - Introduction to Professional Nursing**

**Credit Hours:** 2

**Lecture Hours:** 20

An introductory nursing course that covers the history of nursing, theoretical foundations of nursing, the roles of the professional nurse, professional behaviors, and an introduction to the nursing process and critical thinking.

## **Political Science**

### **ENEC 201 - Nature, Environment, and Ecology I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces students to the basic terms and concepts used in the fields of ecology and environmental sciences, lays a foundation for students to learn the elements of ecology, the relations and interactions between biotic and abiotic components of environment, and the causes and consequences of a biological balance in the ecosystems. The course also includes discussions of natural history, evolution and biodiversity, and adaptations to the environment, as well as presents the challenges of environmental risk assessment and sustainable management.

### **ENEC 201L - Nature, Environment, and Ecology I Lab**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

Provides students with practical experiences, including field studies designed indoors and/ or outdoors, and develop analytical and writing skills through analysis and interpretation of ecological data collected for course studies, as well as other information obtained from both print and electronic media for a given topic in the field of ecology.

**Corequisite:** ENEC 201 or GEOG 200

### **ENEC 202 - Nature, Environment, and Ecology II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A general introductory study of natural environmental systems. The course provides students with the scientific principles, concepts and methodologies required to understand interrelationships of natural world, to identify and analyze environmental problems, and to examine alternative solutions for resolving and/or preventing environmental problems.

### **ENEC 202L - Nature, Environment, and Ecology II Lab**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 2

Provides students with practical experience, including field studies designed indoors and/or outdoors. Students will develop analytical and writing skills through analysis and interpretation of environmental data collected for course studies, as well as other information obtained from both print and electronic media for a given topic in the field of environmental science.

**Corequisite:** ENEC 202 or GEOG 200

### **ENEC 210 - Introduction to Sustainability**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces students to principles, theory, and practices of sustainability. It includes discussions on the interrelatedness of the economy, social system, and environment; maintaining healthy ecosystems; creating an ecological economy; ensuring environmental justice; managing democracy and ecological rationality; determining the roles of ethical and civic responsibilities in policymaking and sustainable management; and examines the importance of participation and civic engagement in civic issues related to sustainability.

### **ENEC 270 - Climate Change and Public Policy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Global climate change is one of the most important issues of the 21st century and requires consideration from an interdisciplinary perspective. This course introduces students to the empirical and normative challenges posed by global climate change, as well as the politics associated with its impacts on environment, economy, and society at local, regional, and international levels. It covers discussions on the science of climate change, the impacts of human activities on climate change, and responses to climate change through mitigation and adaptation. The course also addresses the international legal and policy framework, assesses the roles and efforts of international organizations and intergovernmental collaborations, and evaluates climate change policy and its implementation options.

### **ENEC 300 - Environmental Politics and Policy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the complex dynamics of the environmental policy-making process at various levels. The course considers the scope of environmental problems; perspectives on severity and policy implications; approaches to environmental policy formulation; strategies and political influences of the environmental community and its opponents; the scientific, economic, social, political, and institutional forces that shape policymaking and implementation; as well as the challenges of sustainable decision-making.

### **ENEC 400 - Sustainability Leadership**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Students will learn leadership skills as well as responsible management practices for the achievement of a sustainable global society. The course also examines the impacts of technologies on ethical decision making toward sustainability.



## **ENEC 420 - Natural Resource Management and Environmental Policy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of conservation practices related to natural resources of the earth, emphasizing techniques for preserving the earth's waters, soils, forests, grasslands, animals, and human resources. Students will learn practical interdisciplinary approaches to restore biodiversity and ecosystems, as well as information management systems to identify ecological and environmental issues in space and the challenges to mobilize and govern ecological society in a changing environment.

## **ENEC 435 - Environmental Law and Administration**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the complex dynamic of legal practice to protect the environment and conserve natural resources. This course provides students with a framework for assessing case law and statutory law through the legal system. Students will also learn the role of environmental laws in promoting well-being and sustainable economies, reshaping global land ethics, and guiding efforts to sustain healthy land with a capacity for self-renewal.

## **ENEC 435 - Environmental Law and Administration**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines environmental law and administration.

## **POLI 150 - North Carolina Government and Politics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is concerned with the evolution and empirical foundation of North Carolina government and politics. It investigates issues related to community power and decision-making, political leadership, the relationship between North Carolina citizens and their government, citizen participation, and civic engagement and moral issues in political lives.

## **POLI 200 - Introduction to Political Science**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours: 0**

The study of the basic principles and concepts of political science with emphasis on the nature and function of political systems. Various approaches to the study of politics and the relationship of political science to other social sciences will be examined.

## **POLI 210 - Principles of American Government**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

An introduction to the historical background, purposes, and functions of political institutions, especially the structures and activities of the American system - federal, state, and local.

## **POLI 220 - Principles of Public Administration**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

A study of basic concepts of administration including the following topics: the growth of administration as an art and a science; the relationship of administration to the political process; administrative organization and processes; the political power of bureaucracies; and the responsibility of public servants.

## **POLI 230 - Ethics and Global Affairs**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

The course will challenge students to apply theoretical discussions in a practical way to international ethical problems. It will examine great normative questions of international relations and challenge students to consider what those questions mean for how students conduct themselves as global citizens. Normative questions involve considerations of right and wrong, where the "rightness" and "wrongness" of the action is measured by some conception of the good.

## **POLI 240 - Introduction to Political Statistics**

**Credit Hours: 3**

**Lecture Hours: 30**

This course is designed for students to integrate empirical analyses and research methods with the substance of political and social research. Statistical techniques and applications have been chosen for their relevance to political science and policy analysis. This approach should make the study of statistics more meaningful and valuable to those who are uncertain about the role of statistical analysis in the social sciences.

## **POLI 301 - Organizational Theory**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An analysis of organizational theories, incorporating the traditional political, environmental, behavioral, bureaucratic, and decision-making approaches and applying them to studies of modern organizations, with additional attention to current research on contemporary issues demonstrating the continuing development of organizational theory.

### **POLI 311 - Political Parties and Pressure Groups**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the history, structure, and functions of American political parties and pressure groups, their relationship to democratic government, and their techniques of political action.

### **POLI 320 - State and Local Government**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of the framework of state and local governments in the United States and an evaluation of their contributions to federal systems, with special attention to North Carolina's governmental structure and contributions.

### **POLI 321 - Public Personnel Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the theory, practice, and organization of the public personnel system in the United States, including the essentials of personnel training, classification, compensation, promotion, testing, employee relations, and employee organizations.

### **POLI 330 - Public Financial Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the practices and problems of modern fiscal management, with special emphasis on budgeting concerns and techniques, budget management for planning and control, and budget review as an analytical tool at the national, state, and local levels of government.

## **POLI 331 - Politics and Urban Planning**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of approaches to urban planning in the light of political realities in the nation, the state, and the community.

## **POLI 332 - The Legislative Process**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the evolution, structure, functioning processes, and dynamics of American legislative institutions, with emphasis on the interrelationships among the legislative, executive, and judiciary branches and outside groups in the law-making process.

## **POLI 350 - Government and Politics of Africa**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course examining characteristics of governments and politics in the developing nations of Africa, with attention to such concerns as colonialism, independence movements, and the problems of nation building.

## **POLI 351 - Government and Politics of Europe**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A comparative analysis of the organization and functioning of governments and politics in selected European countries.

## **POLI 352 - Government and Politics of Asia**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course analyzing the organization, functioning, and processes of governments and politics in China, Japan, and other Asian nations.

## **POLI 353 - Middle East Politics**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

This course introduces the domestic and external factors that shape the politics of the Middle East region. It also explores the structure and processes of governments in the Middle East in areas including their current politics and global economic impacts. As a course aligned with comparative politics/ regional politics and area studies, the course provides a prism through which to examine the types of regimes in the Middle East as well as the role of religion in political life.

### **POLI 400 - Administration of Urban Government**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A study of the organization and management characteristics of various types of government entities in urban areas, including municipal government, county government, and governmental structures for other special districts.

### **POLI 401 - Federalism and Intergovernmental Relations**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A course focusing on changing relationships of local, state, and federal agencies, the expanding role of regional planning boards, and recent developments in the sharing of federal tax revenue with non-national governments.

### **POLI 402 - Public Policy Formulation**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A course covering approaches to decision-making in government and administration, including policy formulation within administrative agencies and departments and within the larger context of the overall political process.

### **POLI 410 - The American Chief Executive**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A study of the origin, background, and evolution of the Office of the President of the United States, with a

review of the president's powers in the areas of politics, administration, legislation, and foreign affairs.

**Prerequisite:** POLI 210

### **POLI 411 - Public Opinion and Propaganda**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the development of attitudes and beliefs, the nature of public opinion and propaganda, the methodology of public opinion polling, and the strategies and techniques for influencing public opinion through the uses of propaganda, mass media, and communications.

### **POLI 412 - Administrative Law**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An investigation of administrative law, its powers and procedures, the liabilities of administrative agencies and officers, and governmental activities in the regulation of agriculture, industry, and labor.

### **POLI 420 - Research Methods in Public Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A review of basic concepts, ideas, approaches, methods, and materials used to study administrative institutions, including simulation techniques, surveys, mathematical statistics, cybernetics, content analysis, and computers.

### **POLI 422 - American Foreign Policy**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of American foreign policy decision-making with assessments of the effectiveness of foreign policies.

### **POLI 425 - Public Leadership and Management**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course focusing on leadership styles, human motivations, and basic problems of management, including decision-making, communications, and public relations.

## **POLI 430 - International Politics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the interplay of political forces in the international community, with emphasis on war-time diplomacy, peace treaties, and alignments of nations in times of peace and conflict during the postwar period.

## **POLI 431 - International Organization**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the basic concepts, historical backgrounds, evolution, and functioning of international governmental and administrative systems, with primary emphasis on the United Nations.

## **POLI 432 - International Law**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A review of the rules and practices governing nations in peace and war; the nature, sources, evolution, and functioning of various schools of international law; principal law-making and adjudicatory agencies; international personalities; treaties; jurisdictions over person and place; diplomatic and consular interactions; peace settlements; war and neutrality.

## **POLI 440 - Introduction to Government Planning**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of concepts, fundamentals, and methods of planning, focusing on the significance of planning to public administration and public policy, with special consideration of Program Planning Budgeting Systems (PPBS); Management by Objectives (MBO); Program Evaluation and Review Technique (PERT) Planning, Management, and Evaluation (PME); and Zero Base Budgeting (ZBB).

## **POLI 441 - Citizen Participation in Policy Making**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of citizen involvement in political activities and in government policy making, with analyses of citizen

initiated and government sponsored efforts to increase popular input, and assessments of the effects of citizen participation on policy making related to specific issues and to the performance of governments.

### **POLI 442 - Public Policy Analysis**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the methods and techniques used in determining the effectiveness of public programs, with emphasis on the development of appropriate systems for conducting evaluations and with the use of case studies for practical exercises in policy analysis.

### **POLI 450 - History of Political Theory**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of political theories and their practical applications from the days of ancient Greece to the sixteenth-century theorist, Jean Bodin.

### **POLI 460 - History of Political Theory II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of the study of political theories from Thomas Hobbes to the present.

### **POLI 461 - American Political Ideas**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the political ideas of leading American political leaders and public officials, with particular attention to the influences of these ideas upon American governmental systems.

### **POLI 470 - Government Internship**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Supervised experience in the application of principles and techniques to various areas of public service, with supervision and evaluation under the direction of the instructor in cooperation with administrators of selected



public agencies in the state, and with requirements including one-hour a week in lectures and conferences and at least nine hours a week on assignment at public agencies.

### **POLI 471 - Research Seminar**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Practical experience in applying the research methods introduced in POLI 420 to in-depth studies of selected topics, incorporating computer technology for data gathering, analyses, and interpretation.

### **POLI 480 - Senior Seminar**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Intensive independent studies of selected topics, requiring the preparation and presentation of assigned topics for critical review.

### **POLI 481 - Senior Seminar - Selected Problems in Public Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An analysis of problems in public management created by or associated with technological advancements, environmental changes, urbanism, the civil rights movement, ethics and values, private rights, and changing expectations.

### **POLI 490 - Advanced Reading and Research**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Supervised reading and research in areas of special interest.

## **Police Science**

### **POSC 221 - Introduction to Criminalistics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A general survey of the methods and techniques used in modern scientific investigations of crimes, with emphasis on practical applications of demonstrated laboratory techniques and the use of available scientific equipment. Students who have completed CRJC 221 may not take this course.

### **POSC 230 - Criminal Evidence**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the kinds and degrees of evidence and the rules governing the admissibility of evidence in court. Students who have completed CRJC 230 may not take this course.

### **POSC 232 - Police Organization and Administration**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the principles of police organization and administration, with special attention to the service functions; e.g., personnel management, police management, training, communications, records, property maintenance, and miscellaneous services.

### **POSC 241 - Crime Scene Technology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A review of processes governing the search for physical evidence, with emphasis on the location, reproduction, identification, collection, and preservation of evidence, and of the transportation of evidence to the crime laboratory, with laboratory situations providing practical experiences in applications of techniques and procedures studied.

### **POSC 251 - Criminal Procedures**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A review of criminal procedures from incident to final disposition and a survey of the principles of constitutional, federal, state, and civil laws relative to law enforcement.

### **POSC 262 - Police Community Relations**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours:** 0

A course in the development and use of community relations programs to aid and support the police, corrections programs, and the criminal justice system as a whole in their promotion of an orderly society. Students who have completed CRJC 262 may not take this course.

### **POSC 400 - Seminar in Criminal Interrogation and Confessions**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of criminal interrogations and confessions, including such aspects as warning the subject, the Fourth Amendment Right of Privacy, the attitude of the interrogator, the classification of suspects for interrogation, tactics at interrogations, the interrogation of witnesses who may later become suspects, psychological tools to be used in extracting a confession from an unwilling suspect, procedures for reading suspects their rights and for informing them of those rights, the laws governing the admissibility of confessions in court, the use of trickery and deceit, and the latest laws- both federal and state-regarding, confessions and interrogations.

**Prerequisite:** POSC 101 or CRJC 101 and CRJC 300

## **Physical Science**

### **PSCI 111 - Physical Science I**

**Credit Hours:** 4

**Lecture Hours:** 4

**Lab Hours:** 0

An introduction to the principles, concepts, and ideas of the physical sciences (physics, chemistry, astronomy, geology, meteorology, and oceanography), including lectures, discussions, and laboratory sessions devoted to physics and chemistry, with opportunities for making observations, developing problem-solving techniques, and using reasoning skills in guided applications of the scientific method.

**Prerequisite:** MATH 123 or MATH 123 (may be taken concurrently)

### **PSCI 112 - Physical Science II**

**Credit Hours:** 4

**Lecture Hours:** 4

**Lab Hours:** 0

A continuation of the principles, concepts, and ideas begun in Physical Science I, including lectures, discussions, and laboratory sessions devoted to astronomy, geology, meteorology, and oceanography, with opportunities for making observations, developing problem-solving techniques, and using reasoning skills in guided applications of the scientific method.

**Prerequisite:** PSCI 111

## **Psychology**

## **PSYC 210 - General Psychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to psychology as a science with an emphasis on the essential role of scientific principles and methodology to promote understanding of mental processes and behaviors such as perception, learning, motivation, emotions, memory, personality, human development, mental health, and psychotherapy.

## **PSYC 233 - Statistics for Psychology**

**Credit Hours:** 4  
**Lecture Hours:** 4  
**Lab Hours:** 0

A study of basic statistical theory and techniques appropriate to psychology and related fields; introduction to statistical inference and the testing of hypotheses. This course includes a lab which incorporates the use of computer packages for statistical analyses.

**Prerequisite:** PSYC 210 and MATH 123 or higher

## **PSYC 250 - Current Topics in Psychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of current topics in psychology with an emphasis on current research.

**Prerequisite:** PSYC 210

## **PSYC 260 - Computer Applications for the Behavioral Sciences**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to computers with an emphasis on basic applications such as: word processing, the production of documents, presentations, and spreadsheets, and the uses of databases and statistical analysis software.

**Prerequisite:** PSYC 210

## **PSYC 300 - Stress Management and Wellness**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of coping mechanisms and adjustment strategies to meet psychosocial demands and problems of daily

life through examination of theory and research on topics such as stress, depression, anxiety, and sexuality.

**Prerequisite:** PSYC 210

## **PSYC 302 - Professional and Career Development in Psychology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to help prepare psychology majors for employment and/or graduate education. The emphasis will be on critical foundational skills such as communication skills, problem-solving, self-management, critical thinking skills, behaviors and attitudes, feedback, interpersonal skills, responsibility, and stress management. The primary objective of the course is to assist students in developing academic, career, and professional goals and in developing and executing plans to reach their goals.

**Prerequisite:** PSYC 210 and six additional credit hours of coursework in psychology

## **PSYC 305 - Writing for Psychology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to teach the basic mechanics of writing in psychology. Topics to be addressed will include the orderly and precise presentation of ideas and concepts, clarity and economy of expression, proper citation and referencing of sources, as well as the preparation of documents that reflect the standards of the American Psychological Association (APA).

**Prerequisite:** PSYC 210

## **PSYC 310 - Theories of Personality**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An overview and investigation of theory and relevant empirical findings that explore the development and functioning of the healthy human personality with additional attention given to personality dysfunction and disorders.

**Prerequisite:** PSYC 210

## **PSYC 320 - Theories of Learning**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A review of major theories and empirical findings regarding human and animal learning and motivation, with emphasis on individual and environmental factors that influence learning and performance in various contexts,

including experimental and educational settings.

**Prerequisite:** PSYC 210

## **PSYC 331 - Developmental Psychology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to developmental psychology, focusing on human physical development, as well as cognitive, emotional, behavioral, and social growth from conception through adolescence, with emphasis on psychological theory, empirical findings, and relationships between early development and later adult personality and functioning.

**Prerequisite:** PSYC 210

## **PSYC 332 - Psychology of Adult Development**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to adult development that includes a survey of major developmental principles, theories, and current research in the areas of biological, cognitive, social, personality, and emotional growth and transition across the span of adulthood.

**Prerequisite:** PSYC 210

## **PSYC 342 - Introduction to Clinical and Counseling Psychology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey of the history, theories, and applications of clinical and counseling psychology, with an emphasis on analyses of the various approaches to counseling and therapy.

**Prerequisite:** PSYC 210

## **PSYC 343 - Multicultural Psychology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of culture and human diversity, through an exploration of theory and research on the psychological influence of educational, political, legal, religious, and social institutions and experiences with an aim to promote cultural competence.

**Prerequisite:** PSYC 210

## **PSYC 345 - Positive Psychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to provide an introduction to positive psychology. Positive psychology focuses on the scientific study of human strengths and virtues. The course will examine human behavior that is effective, valuable, and results in positive contributions to human functioning and health.

**Prerequisite:** PSYC 210

## **PSYC 350 - Industrial and Organizational Psychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of psychological and social factors that influence performance in work settings, such as group processes, leadership, ethics, as well as employee selection, training, motivation, and satisfaction, with an additional emphasis on the analysis and design of jobs and organizations.

**Prerequisite:** PSYC 210

## **PSYC 352 - Research Methodology**

**Credit Hours:** 4  
**Lecture Hours:** 3  
**Lab Hours:** 1

A lecture and laboratory course covering the design, implementation, analysis, and interpretation of experimental research, surveys, and other research in areas of general psychology, such as learning, memory, and perception, and social psychology.

**Prerequisite:** PSYC 233

## **PSYC 360 - Social Psychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A scientific study of the influences of social factors on individual and group behavior, with emphasis on topics such as culture, socialization, attitude formation, persuasion, leadership, aggression, and interpersonal attraction.

**Prerequisite:** PSYC 210

## **PSYC 365 - Health Psychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of the links between healthcare and psychology, including the relevance of biological, personal, cognitive, developmental, social, environmental, and cultural variables to health and illness. Health and illness behavior will be examined through the lens of individual, cultural, and cross-cultural contexts.

**Prerequisite:** PSYC 210

### **PSYC 370 - Introduction to Biopsychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of background and contemporary research relating behavior to biological processes. Data on neural and hormonal systems are summarized and used in examining such complex behaviors as learning, perception, and motivation.

**Prerequisite:** PSYC 210

### **PSYC 380 - Behavior Modification**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of applications of learning and behavior change theories and laboratory findings to behavior-related concerns in educational, clinical, healthcare, and social settings, with emphasis on empirical research demonstrating the effectiveness of behavior modification and cognitive/behavioral techniques.

**Prerequisite:** PSYC 210

### **PSYC 381 - Child and Adolescent Mental Health**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of clinical, counseling, and developmental literature, theory, and research on the causes, diagnosis, treatment, and prevention of mental disorders in children and adolescence.

**Prerequisite:** PSYC 210

### **PSYC 390 - Psych Tests and Measurements**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0



A survey of the major methods of assessing and evaluating organizational related variables, including measurement, basic statistical concepts relative to evaluation, and applications of testing.

**Prerequisite:** PSYC 233

### **PSYC 400 - History and Systems of Psychology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A survey of the development of psychology in historical and socio-cultural perspective. A review of the major historical and contemporary systems of psychology, and their relation to the philosophy of science and to the selection of problems and methodologies.

**Prerequisite:** PSYC 210

### **PSYC 403 - Psychopharmacology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the effect of pharmacological agents on the brain and behavior. This class fosters a multilayered approach, from the receptor level to system and behavioral level. Every drug and its psycho-physiological effects are discussed in the social context where it occurs.

**Prerequisite:** PSYC 370

### **PSYC 420 - Sensation and Perception**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the structures and functions of the sensory systems, with particular attention to perceptual processes influenced and affected by physical factors in the environment and by psychological aspects of the perceiving organism.

**Prerequisite:** PSYC 210

### **PSYC 421 - Cognitive Psychology**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of theoretical approaches and research findings relevant to the complex processes of thinking, linguistic expression, problem solving, and decision making, with attention to the relation of these processes to intelligence and creativity.

**Prerequisite:** PSYC 210

## **PSYC 422 - Abnormal Psychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of clinical and counseling literature, theory, and research on the causes, diagnosis, treatment, and prevention of mental, behavioral and personality dysfunction and disorders.

**Prerequisite:** PSYC 210

## **PSYC 430 - Advanced Seminar: Sex and Gender**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This senior seminar will explore how various areas of psychology conceptualize and investigate the relationship between sexuality and gender. The study of gender/sexual relations will be approached from many different perspectives, including individual, social, cultural, historical, and biological. Sources will include journal articles, books, and fictional stories.

**Prerequisite:** PSYC 210

## **PSYC 433 - Psychology of Language**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Understanding language is an important part of understanding human behavior. Different areas of scientific study emphasize different aspects of language processing. This class reviews the biological bases of language development, word recognition, meaning and use of language, as well as language production. Combining insights from neuroscience and psycholinguistics, this class has a cognitive emphasis and it requires that the student is familiar with general concepts of Cognitive Psychology.

**Prerequisite:** PSYC 421

## **PSYC 443 - Introduction to Animal Behavior**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on understanding the evolution, expression, organization, and modification of animal behavior. Behavioral variation as well as the conservative nature of many behavioral responses will be addressed. The course will consider how the study of behavior in animals other than humans may help us to understand human behavior as well as to better conserve threatened or endangered species.

**Prerequisite:** PSYC 233 and PSYC 352

## **PSYC 452 - Advanced Applied Research**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A structured course designed to give students hands-on research experience in psychology. Students will design and implement a research study that culminates in the creation and presentation of this research.

**Prerequisite:** PSYC 305, PSYC 352, and permission of instructor

## **PSYC 455 - Psychology Internship**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to give students hands-on experience in psychology through supervised work in community agencies, businesses, and industrial settings. Students receive regular supervision from a site supervisor and a faculty supervisor. Students also attend a seminar taught by the faculty supervisor.

**Prerequisite:** PSYC 302, PSYC 305, PSYC 350, 30 additional credits of coursework in psychology, and permission of instructor

## **PSYC 460 - Senior Seminar**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of selected topics examining the functional interrelationships of the history, research, theory, and application of psychology in various areas. Through coursework that emphasizes critical thinking activities and written/ oral communication, students will integrate and apply learning from their psychology program of study in a comprehensive manner that helps prepare them for graduate education and/ or employment.

**Prerequisite:** Senior Psychology major

## **PSYC 465 - Biopsychology Laboratory**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

The aim of the Biopsychology Laboratory is to introduce students to paradigms for the explanation and study of behavior that are characterized by a focus on the functioning of the nervous system. This lab will examine these functions within the broader framework of the structures of behavior (innate and acquired), as well as functional systems (sensation, perception, motor control and cognition).

**Prerequisite:** PSYC 370

## **PSYC 469 - Advanced Biopsychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Examines broad range of questions about how the nervous systems are organized, and how they function to generate behavior. These questions are explored using the analytical tools of molecular and cell biology, genetics, systems anatomy, and physiology. The student will focus on an advanced understanding of central nervous system processes.

**Prerequisite:** PSYC 370

### **PSYC 470 - Emotions**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to provide an overview of emotion, focusing on a variety of theoretical perspectives: cognitive, biological, developmental, evolutionary, historical, and social/cultural. Emphasis will be placed on the examination of the neural and neurohormonal correlates of emotional behaviors and emotional experiences. Emphasis is placed upon the similarity between the emotional behaviors of humans and other species and in determining both normal and abnormal human emotional experiences.

**Prerequisite:** PSYC 370

### **PSYC 475 - Introduction to Evolutionary Psychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to convey the historical antecedents of evolutionary psychology and provide a reasonably thorough and balanced assessment of its methods, potential, and the criticisms leveled against it. This course will include a survey of the areas of research in evolutionary psychology and such topics as the evolution of action and feeling; cooperation; development and family dynamics; and higher cognition.

**Prerequisite:** PSYC 210

### **PSYC 485 - Individual Topics in Psychology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Systematic review of various topics on issues of psychological relevance, such as stress management, and sexual reinstatement.

**Prerequisite:** PSYC 210

### **PSYC 489 - Independent Study I**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

Supervised library, laboratory, and/or field research in psychology on a student's topic of choice (topic determined in consultation with a faculty supervisor).

**Prerequisite:** PSYC 210

### **PSYC 490 - Independent Study II**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

Supervised library, laboratory, and/or field research in psychology on a student's topic of choice (topic determined in consultation with a faculty supervisor).

**Prerequisite:** PSYC 210

### **PSYC 491 - Independent Study III**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

Supervised library, laboratory, and/or field research in psychology on a student's topic of choice (topic determined in consultation with a faculty supervisor).

**Prerequisite:** PSYC 210

### **PSYC 492 - Independent Study IV**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

Supervised library, laboratory, and/or field research in psychology on a student's topic of choice (topic determined in consultation with a faculty supervisor).

**Prerequisite:** PSYC 210

### **PSYC 493 - Independent Study V**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

Supervised library, laboratory, and/or field research in psychology on a student's topic of choice (topic determined in consultation with a faculty supervisor).

**Prerequisite:** PSYC 210

## **Reading**

### **READ 300 - New Literacies of 21st Century**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to explore the reading process, factors that affect reading development, and the changing nature of literacy in the 21st Century, including an examination of reading comprehension and learning using the internet versus print-based reading environments.

### **READ 316 - Corrective and Remedial Reading**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course in the prevention, diagnosis, and correction of reading difficulties.

### **READ 320 - Teaching Reading in the Content Areas**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of methods, materials, classroom procedures, and evaluation techniques for facilitating reading in the content areas in middle and secondary schools. (Fall, Spring, Summer)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **READ 370 - Linguistics and Reading**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on the purposes of literacy instruction, which includes helping children develop their oral language skills, and describing how reading and writing develop. Emphasis is placed on providing a wide variety of activities for preschoolers to stimulate language development and literacy. Assessing children's progress in literacy is also addressed.

### **READ 380 - Practicum in Teaching Reading to Adult Non-Readers**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A practical course in assessing the reading needs of adult non-readers and in designing remedial programs to address reading deficiencies.

### **READ 390 - Methods and Materials in Teaching Reading**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of reading problems, materials, methods, and instructional media basic to the effective teaching of reading.

### **READ 400 - Practicum in the Correction of Reading and Related Disorders**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A clinical experience in diagnosing reading problems and deficiencies of disabled readers, with emphasis on methods of assessing disabled readers, writing reports and lesson plans according to assessed needs, and tutoring.

**Prerequisite:** READ 390

### **READ 422 - Teaching Reading to Culturally Diverse Children**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of materials and approaches for teaching reading effectively in a multicultural setting.

### **READ 441 - The Psychology of Reading**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of learning theories related to the process of reading, with emphasis on language development, including linguistic, cognitive, perceptual, and sensory aspects, and the relationship of language development to reading growth and development.

### **READ 490 - Seminar in Reading**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Analyses of problems, issues, and trends in reading education.

**Prerequisite:** READ 320

## **Recreation**

### **RECR 200 - Prog Plan-Urban Rec**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course in the development of recreation program activities for all age groups, including consideration of facilities and equipment, group composition, community resources, and leadership techniques, as well as the role of the supervisor in personnel selection, motivation, and evaluation, and in the planning, organization and operation of a comprehensive program.

### **RECR 203 - Introduction To Community Recreation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the historical, physiological, social, economic, and philosophical foundations of recreation, with emphasis on the theories, objectives, and principles of public, private and commercial recreation programs.

### **RECR 300 - Leadership in Supervised Recreation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Observation of and practical experience in effective supervision of recreation activities and recreation personnel, both professional and volunteer.

### **RECR 312 - Organization and Administration in Community Recreation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the administrative practices, organizational structures, principles, and philosophy of community recreation.

**Prerequisite:** RECR 203

### **RECR 411 - Recreational Practice (Internship)**



**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An internship experience in recreational practice with public and private agencies.

**Prerequisite:** RECR 200

### **RECR 422 - Camping**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An introduction to fundamentals of planning, organizing, and administering camping programs.

### **RECR 430 - Therapeutic Recreational Services**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A study of recreational activities designed to meet the limitations imposed by handicaps or illnesses.

### **RECR 431 - Physical Recreation for the Emotionally Handicapped**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

An examination of individual and group approaches to physical education for the emotionally disturbed and mentally ill.

## **Religion**

### **RELI 215 - Introduction to the Bible**

**Credit Hours: 3**  
**Lecture Hours: 3**  
**Lab Hours: 0**

A study of important Biblical writings, with special emphasis on the diverse forms of writings in the Bible, the historical contexts in which specific books were produced, and the religious beliefs and values expressed.

### **RELI 410 - Soc/Rel**

**Credit Hours: 3**  
**Lecture Hours: 3**

**Lab Hours:** 0

A study of the relationship between religious beliefs and diverse cultural forms, including art, literature, music, politics, and society, with examinations of non-western as well as of western religious traditions.

## **Respiratory Therapy**

### **RESP 300 - Introduction to Leadership and Professionalism**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

An introduction to the history, trends, issues, and evolution of the respiratory therapy profession.

### **RESP 311 - Outpatient Services in Respiratory Therapy**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

An introduction to the understanding of outpatient services including reimbursement.

### **RESP 312 - Pharmacology in Disease Management**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

Explores the role of pharmacology in the management of cardiopulmonary disease and critical care.

### **RESP 320 - Quality Assessment and Outcome Management**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

Evidence-based methods and techniques to design, implement, and evaluate healthcare quality outcomes.

### **RESP 360 - Advanced Critical Care Monitoring**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

A study of advanced cardiopulmonary monitoring used with critical care patients. Topics include hemodynamic monitoring, mechanical ventilator waveform graphic analysis, and capnography.

## **RESP 400 - Evidence Based Care/ Research in Respiratory Therapy**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

An introduction to understanding research methods and evidence-based approaches to respiratory therapy.

## **RESP 430 - Neonatal/Pediatric Pathophysiology**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

This course prepares the student to approach complex situations systematically. Emphasis will be placed on the integration and application of cardiopulmonary pathophysiological concepts to the neonatal/ pediatric population in time of physical stress.

## **RESP 435 - Adult Critical Care Pathophysiology**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 9

This course prepares the student to approach complex situations systematically. Emphasis will be placed on the integration and application of cardiopulmonary pathophysiological concepts to the adult/critical care patient in time of physical stress.

## **RESP 460 - Respiratory Therapy Capstone**

**Credit Hours:** 8

**Lecture Hours:** 0

**Lab Hours:** 24

Experiences in a chosen focus area (clinical, administrative, or population-based). It culminates with a capstone project in the form of research, or other scholarly activity that articulates the design, organization, statistics and data analysis used, and includes an oral and written presentation of the project.

## **Sociology**

### **SOCI 150 - The Global Society**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This introductory course focuses on the global society. Using a variety of techniques, the course introduces

students to several of the more pressing global issues and demonstrates their interconnectedness; acquaints students with the main structural features of the global system; equips students to live and work in a globally interdependent world, develops students' ability to work with diverse sets of interest groups on complex issues that cross local and national boundaries; and, by demonstrating the links between global issues and the global society, encourages a recognition of the ethical and social responsibility of global citizenship.

### **SOCI 210 - Principles of Sociology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An examination of the basic concepts and principles of sociology, with emphasis on a scientific analysis of culture, personality, social groups and social institutions, social organizations, population trends, and social processes.

### **SOCI 220 - Contemporary Social Problems**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An analysis of the causes and consequences of current social problems: poverty, urbanization, wars, mental illness, alcoholism, drug addiction, crime and delinquency, environmental concerns, and problems of social institutions.

### **SOCI 305 - Selected Topics in Sociology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Students will examine in-depth a topic of sociological importance chosen by the instructor. Particular attention will be focused on current theoretical and/or methodological explanations of the particular substantive topic. Each student can take up to two different selected topics courses.

**Prerequisite:** SOCI 210 or permission of the instructor

### **SOCI 310 - Professional and Career Development**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to introduce students to various skills that, based on current research, are important to employers. Students will navigate through different learning modules that focus on sociology as a profession and a discipline, team-building skills, communication skills, leadership skills, problem-solving skills, self-management skills, social and cultural etiquette skills, and professionalism. Assignments will be associated with

each learning module. Additionally, this course provides information about preparing for and applying to graduate school. The primary objective of this course is to assist students in developing a plan to reach their academic, career, and professional goals. The course is writing intensive.

**Prerequisite:** SOCI 210 and at least 30 credit hours of coursework in the major

### **SOCI 312 - Sociology of Leadership**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course will focus on contributions and relevancy of sociology to the study of leadership. The course is designed to introduce students to the importance of the sociological perspective in understanding how leaders operate in groups, communities, and societies. With discussion of topics such as culture, socialization, social structure, race, class, gender, and social institutions, the course provides a platform for understanding the intersection of leadership practice and development with sociology.

**Prerequisite:** SOCI 210 or permission of the instructor

### **SOCI 330 - Marriage and Family Relations**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An analysis of the forms and functions of the family, including changing sex roles, marital choice, procreation, and socialization, with emphasis on the history of American family patterns and the effects of contemporary social changes on the family.

**Prerequisite:** SOCI 210 or permission of the instructor

### **SOCI 331 - Social Statistics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to techniques for the analysis and interpretation of research data, including descriptive statistics (frequency distributions, centrality, variability and correlation measures) and inferential statistics (sampling theories and tests of statistical hypotheses, including the chi square, t-tests and analysis of variance).

**Prerequisite:** SOCI 210 and MATH 123 or higher

### **SOCI 333 - Data Analysis**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course focuses on the application of computer software for data processing and statistical analysis for

scientific research. Popular software such as SPSS and Excel will be utilized for the analysis of data from social, economic, and behavioral surveys, leading to testing research hypotheses and making evidence based decisions, through univariate and multivariate statistical techniques. Documentation and presentation of analyses and results will also be emphasized.

**Prerequisite:** SOCI 210 and SOCI 331 or equivalent or permission of instructor

### **SOCI 335 - Sociological Research Methods**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the various sociological research methods, with emphasis on research design, questionnaire construction, the construction and use of surveys, uses of available data, methods of collecting and analyzing data, the testing of hypotheses, the drawing of inferences, and the writing of the research report.

**Prerequisite:** SOCI 210 and SOCI 331 or equivalent

### **SOCI 340 - Crime and Delinquency**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the nature of crime and delinquency as forms of deviant behavior, including theories of causation relating to both, with considerations of the justice system for each.

**Prerequisite:** SOCI 210

### **SOCI 350 - History of Sociological Thought**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A selective and systematic study of major writings in the development of modern sociological thought, with critical examination of the sociological theories of selected writers.

**Prerequisite:** SOCI 210

### **SOCI 351 - Contemporary Social Theory**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the major contemporary sociological theories, with critical analyses of the writings of American

social theorists.

**Prerequisite:** SOCI 210

### **SOCI 360 - Sociology of Deviant Behavior**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the major theories and types of deviant behavior, with critical analyses of society's reactions to such behavior.

**Prerequisite:** SOCI 210

### **SOCI 362 - The Sociology of Religion**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the nature of religion, including the societal and cultural dimensions of religion, the role of religion in social change, and the status of religion in contemporary society.

**Prerequisite:** SOCI 210

### **SOCI 370 - The Sociology of the Black Community**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A sociological analysis and description of the black community, its socio-historical characteristics, the life styles and socio-cultural patterns within the black community, and the structures and functions of specific social institutions within the black community.

**Prerequisite:** SOCI 210 or permission of instructor

### **SOCI 372 - Sociology of Education**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An examination of education as a social institution, the school as a social system, the teacher as an agent of social change, and social programs as complements of programs in education, with emphasis on current social trends, special problems in teaching today, social factors that influence learning, and the role of education in the status attainment process.

**Prerequisite:** SOCI 210

### **SOCI 375 - Comparative Societies**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A comparative study of human social life. This course presents students with an overview of the major social, cultural, political, economic, and other organizational differences among human societies and the transformations that have occurred over the millennia. The major theoretical and empirical works in the field are examined.

**Prerequisite:** ANTH 210 or SOCI 210

### **SOCI 380 - Sociology of Work**

**Credit Hours:** 3  
**Lecture Hours:** 30

A sociological analysis of the division of labor, labor force trends, career patterns and mobility, and occupational cultures and lifestyles.

**Prerequisite:** SOCI 210

### **SOCI 390 - Social Behavior and Interaction**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an analysis of the major scientific propositions, concepts, research methods, and theories developed to explain the behavior of individuals in relation to other individuals, groups, and culture. Emphasis will be placed on the relationship between social interaction and the behavior of individuals.

**Prerequisite:** SOCI 210

### **SOCI 400 - The Sociology of Gender Roles**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course examining the social determinants of gender role identity, with emphasis on the relationship between gender role identity and personality, personal and professional relationships, work, religion, and general culture, particularly the culture of the United States.

**Prerequisite:** SOCI 210

### **SOCI 410 - Introduction to Gerontology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the field of gerontology, with emphasis on the psychological, biological, and sociological



processes of aging.

**Prerequisite:** SOCI 210

## **SOCI 412 - Race and Ethnic Relations**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the theories and principles of majority minority relations, with emphasis on the status and problems of selected racial, ethnic, and religious minority groups in the United States and elsewhere.

**Prerequisite:** SOCI 210

## **SOCI 422 - Collective Behavior and Social Movements**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of human behavior as expressed through group behavior, especially the forces that precipitate change in the social order, such as crowds, mobs, mass behavior, public opinion, social movements, revolutions, and social planning.

**Prerequisite:** SOCI 210

## **SOCI 430 - Demography**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the distribution, growth, and characteristics of human populations and their relationship to social organization.

**Prerequisite:** SOCI 210 or permission of instructor

## **SOCI 440 - Sociology of Health**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An analysis of the social facets of health and illness, the social functions of health institutions and organizations, the relationship of systems of health care delivery to other social systems, and the social behavior of health personnel and the consumers of health care.

**Prerequisite:** SOCI 210

## **SOCI 442 - Urban Sociology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of urbanism as a way of life; the growth and development of urban areas; urban social organization; change and problems of contemporary urban life; ecological patterning; urban planning; and problems of control.

**Prerequisite:** SOCI 210

### **SOCI 462 - Social Stratification**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of classes, castes, estates, status groups, and social mobility, with an examination of theories of social mobility and a comparison of modes of stratification in selected societies.

**Prerequisite:** SOCI 210

### **SOCI 470 - Social Change**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the nature and processes of social change. Topics covered include the theories of social change, industrialization and modernization, planned change, and the social impact of change.

**Prerequisite:** SOCI 210

### **SOCI 478 - Experiential Learning**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to provide students with an opportunity to engage in experiential education, a pedagogical strategy whereby students engage in experiences outside the traditional academic setting. Students will have an opportunity to integrate didactic instruction with experiential learning.

**Prerequisite:** Junior standing and SOCI 210 or permission of instructor

### **SOCI 480 - Sociological Seminar**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Readings and discussions on selected problems and issues in sociology, including the various subdivisions

within sociology, with particular attention to the relationship between theory and research and an examination of sociology as a profession.

**Prerequisite:** Graduating seniors in their last semester and SOCI 210 and SOCI 310 and SOCI 335 and SOCI 350

### **SOCI 491 - Independent Study**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Supervised library and/or field research in sociology on a topic of choice of a student.

## **Spanish**

### **SPAN 110 - Elementary Spanish I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the language, literature, and culture of Spanish-speaking peoples, with emphasis on the basic language skills. Laboratory practice required.

**Prerequisite:** Placement test score

### **SPAN 111 - Elem Spanish**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An introduction to the language, literature, and culture of Spanish-speaking peoples, with treatment in greater breadth and depth than in SPAN 110. Laboratory practice required. Admission based upon an entrance examination, previous study, and other relevant experiences.

### **SPAN 112 - Spanish for the Professions I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to prepare students to use elementary Spanish skills in their profession. Emphasis is given to oral skills, vocabulary to interact with colleagues and customers, and the Hispanic cultural particularities related to the workplace. Laboratory practice is required.

**Prerequisite:** Placement test score

### **SPAN 120 - Elementary Spanish II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of studies in the language, literature, and culture of Spanish-speaking peoples begun in SPAN 110, including further development of the basic language skills, with special attention to improving oral language skills. Laboratory practice required.

**Prerequisite:** SPAN 110 or placement test score

## **SPAN 121 - Elementary Spanish (Honors) II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of honors studies in the language, literature, and culture of Spanish-speaking peoples begun in SPAN 111, including further development of the basic language skills, with special emphasis on increasing proficiency in oral language skills. Laboratory practice required. Admission based upon an entrance examination, previous study, and other relevant experience.

## **SPAN 122 - Spanish for the Professions II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a continuation of the studies begun in SPAN 112 that aim to prepare students to use elementary Spanish skills in their profession. Emphasis is given to oral skills, vocabulary to interact with colleagues and customers, and the Hispanic cultural particularities related to the workplace. Laboratory practice is required.

**Prerequisite:** SPAN 112 or placement test score

## **SPAN 211 - Intermediate Spanish I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides a review and further development of the essential communicative skills of the Spanish language with an emphasis on the identification, analysis, and discussion of cultural elements and practices of Spanish-speaking peoples, as well as the comparison and contrast of the students' culture and the culture of the Spanish-speaking peoples. This course has increased focus on reading comprehension and Spanish writing. Laboratory practice required.

**Prerequisite:** SPAN 120 or placement test score

## **SPAN 212 - Intermediate Spanish II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of intermediate level studies of the language, literature, and culture of Spanish-speaking peoples, including further development of the basic language skills, with special emphasis on idiomatic usages and complex grammatical structures. Laboratory experience required.

**Prerequisite:** SPAN 211 or placement test score

### **SPAN 230 - Intermediate Spanish Conversation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will focus on speaking and listening skills and develop pronunciation and conversational skills. Students will review grammar and vocabulary as they explore and discuss Hispanic culture. Class is conducted entirely in Spanish.

**Prerequisite:** SPAN 212 or placement test score

### **SPAN 240 - Intermediate Spanish Composition**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course reinforces communicative written skills learned in intermediate courses and prepares students for courses at or beyond the 300 level. Readings and written compositions focus on cultural aspects of the Spanish-speaking world. It is conducted entirely in Spanish.

**Prerequisite:** SPAN 212 or placement test score

### **SPAN 300 - Spanish for Business**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An intermediate Spanish course focusing on developing communicative (oral and written) skills applicable to business in Hispanic contexts.

**Prerequisite:** SPAN 212

### **SPAN 311 - Advanced Spanish Conversation and Culture**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a discussion based course focusing on speaking and listening skills and further development of pronunciation and conversational skills. Students will explore and discuss Hispanic culture and current events in the Spanish-speaking world. Class conducted entirely in Spanish.

**Prerequisite:** SPAN 230 or challenge examination

### **SPAN 312 - is Advanced Spanish Composition and Culture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course focuses primarily on Spanish composition and the practice of different writing styles through the study of Spanish-speaking cultures. Classroom instruction and discussion will be in Spanish.

**Prerequisite:** SPAN 240 or challenge examination

### **SPAN 320 - Advanced Spanish Grammar**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A comprehensive and systematic study of Spanish grammar to develop linguistic (phrase, sentence, paragraph structure) accuracy including correct spelling and utilization of appropriate vocabulary.

### **SPAN 321 - Spanish Civilization and Culture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the civilization, culture, and history of Spain, with attention to the life, customs, philosophy, art, music, and general patterns of culture of the Spanish people. Taught exclusively in Spanish.

**Prerequisite:** SPAN 312

### **SPAN 322 - Spanish-American Civilization and Culture**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the civilization, culture, and history of Spanish-America, with attention to the life, customs, philosophy, art, music, and general patterns of culture of Spanish American peoples.

**Prerequisite:** SPAN 312

### **SPAN 331 - Survey of Spanish Literature I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of representative Spanish literary works from earliest times to 1700. Taught exclusively in Spanish.

**Prerequisite:** SPAN 321

### **SPAN 332 - Survey of Spanish Literature II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of representative Spanish literary works of the nineteenth and twentieth centuries. Taught exclusively in Spanish.

**Prerequisite:** SPAN 321

### **SPAN 341 - Survey of Spanish-American Literature I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of Spanish-American literature in the context of historical and social backgrounds, covering the period from colonization to independence. Taught exclusively in Spanish.

**Prerequisite:** SPAN 322

### **SPAN 342 - Survey of Spanish-American Literature II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of the survey of Spanish-American literature in the context of historical and social backgrounds, spanning the period from independence to the present. Taught exclusively in Spanish.

**Prerequisite:** SPAN 322

### **SPAN 350 - Study Abroad Project**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is taken while abroad and expands on cultural aspects related to the host country. This course requires contact hours with faculty and a research project written in Spanish or English.

### **SPAN 411 - The Nineteenth Century Spanish Novel**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of Spanish novels from the nineteenth and early twentieth centuries, including works by Galdos, Pereda, Blasco-Ibanez, and Pedro de Alcarcon, with attention to the historical and cultural contexts of the readings. Taught exclusively in Spanish.

**Prerequisite:** SPAN 331 and SPAN 332

## **SPAN 420 - Introduction to Spanish Linguistics I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Phonetics and Phonology: A descriptive and comparative study of the Spanish language and its varieties in Spain and Latin America focusing on the phonetic and phonological components, while establishing contrasts with respective counterparts in the English language, and related pedagogical implications. Taught exclusively in Spanish.

**Prerequisite:** SPAN 312

## **SPAN 421 - Introduction to Spanish Linguistics II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Morphology, Syntax and Semantics: A comparative study of the morphological, syntactic, and semantic components of the Spanish language while establishing contrasts with respective counterparts in the English language, and related pedagogical implications. Taught exclusively in Spanish.

**Prerequisite:** SPAN 312

## **SPAN 431 - Drama of the Golden Age**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the works of Spain's leading dramatists of the Golden Age: Lope de Vega, Calderon, Tirso de Molina, and Juan Ruiz de Alarcon. Taught exclusively in Spanish.

**Prerequisite:** SPAN 331 and SPAN 332

## **SPAN 440 - Teaching Spanish as a World Language**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0



This course provides an introduction to the teaching of Spanish as a second language. Topics include second language acquisition theories, historical trends in the teaching of world languages with a specific focus on Spanish, and current best practices, resources, and guidelines in the teaching of Spanish.

**Prerequisite:** SPAN 312

### **SPAN 441 - Cervantes**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of Cervantes, with analytical reading of Don Quixote and of selected Novelas Ejemplares. Taught exclusively in Spanish.

**Prerequisite:** SPAN 332 and SPAN 331

### **SPAN 450 - Spanish Language Studies**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Special Topics: An advanced Spanish course that focuses on diverse topics such as the history of the Spanish language, medical or legal Spanish, and translation. May be repeated once for credit with different content.

**Prerequisite:** SPAN 312

### **SPAN 451 - Contemporary Spanish**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of major literary works in Spanish, from the Generation of 1898 to the present, with attention to literary trends and cultural influences that contributed to the shaping of the literature. Taught exclusively in Spanish.

**Prerequisite:** SPAN 332 and SPAN 331

### **SPAN 460 - Cultural Topics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Hispanic World: An advanced Spanish course that focuses on diverse cultural topics to include such topics as folklore and Latin American women. May be repeated once for credit with different content.

**Prerequisite:** SPAN 321 and SPAN 322

### **SPAN 461 - Studies in Latin American Prose Fiction**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the developments in Latin American drama and poetry, with emphasis on changes occurring in the literature during the twentieth century. Taught exclusively in Spanish.

**Prerequisite:** SPAN 342 and SPAN 341

### **SPAN 470 - Hispanic Literature**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Special Topics: An advanced Spanish course that focuses on diverse cultural topics to include such topics as women writers, the Mexican Revolution, and social protest. May be repeated once for credit with different content.

**Prerequisite:** SPAN 331 and SPAN 332 and SPAN 341 and SPAN 342

### **SPAN 471 - Studies in Latin American Prose Fiction**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of representative twentieth century novels and short stories by Latin American writers. Taught exclusively in Spanish.

**Prerequisite:** SPAN 342 and SPAN 341

### **SPAN 481 - Senior Seminar**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Current Issues in the Spanish-Speaking World: Critical analysis of specific current topics including Hispanic culture and/or Spanish literature and/or Spanish linguistics. Taught exclusively in Spanish.

**Prerequisite:** Senior status and permission of instructor

## **Special Education**

### **SPED 320 - Education of the Exceptional Child**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of the abilities and disabilities and the inter-and intra-individual differences of exceptional children, with emphasis on the impact of educational and psychological handicaps and needs of exceptional children as well as on plans and education programs to facilitate the learning of the exceptional child.

### **SPED 350 - Mainstreaming Exceptional Students**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A comprehensive introduction to mainstreaming exceptional students, with emphasis on the components and regulations involved in designing an Individual Education Program (IEP) for exceptional students, with opportunities for supervised experiences in the Curriculum Learning Resource Center, and with attention to the development of annual goals, short term objectives, and evaluation methods.

### **SPED 370 - Current Development Methods/Exceptional Children**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A comprehensive methods course directed to the needs of exceptional students, providing training and teaching methods and materials best suited for each area of mild/moderate exceptionality, with emphasis on the implementation of innovative techniques and materials modifications.

### **SPED 410 - Classroom Management Strategies for Exceptional Children**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A practical course in the theories and applications of disciplinary practice suitable to exceptional children, with emphasis on the developmental stages of discipline, on the development of the teacher as an effective communicator and problem-solver, and on the implementation of appropriate strategies of classroom management.

### **SPED 415 - Read Skills-Student Disability**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to introduce students to the knowledge, skills, and procedures needed to provide effective instruction for students with disabilities who demonstrate persistent reading difficulties. The course presents research-validated teaching principles, techniques, and strategies that will provide a solid foundation on which to build an effective reading instruction program.

## **SPED 418 - Math/Write Skill-Student Disab**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course will examine content of the subjects of mathematics and written language, the difficulties of students with mild to moderate disabilities in the two content areas, and research-based best practices for teaching students with disabilities in mathematics and written language.

## **SPED 420 - Introduction to Education of the Emotionally Disturbed**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An overview of the education of emotionally disturbed students, with emphasis on the psychological, sociological, and educational implications of their education.

## **SPED 430 - Introduction to Education of the Learning Disabled**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introductory course analyzing the inter- and intra-individual differences of the learning disabled, with consideration of theories, identification, procedures, teaching strategies and materials, and developmental processes relative to the education of the learning disabled.

## **SPED 440 - Introduction to Education of the Educable Mentally Retarded**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the study of retarded individuals, including characteristics, behavior, general nature, and needs in the home, the community, and the learning environment, with emphasis on identification procedures, teaching and organizational practices, educational methodology and materials, and prevention, as well as on the psychological, sociological, educational, and medical aspects of mental retardation.

## **SPED 460 - Diagnosis and Evaluation of Exceptional Children**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 1

A survey of the major tests and inventories used in evaluating exceptional children, focusing on broad

developmental and interactional types of measurement, basic statistical concepts, the interpretation of scores and the relationship between information gained from tests and inventories and classroom diagnostics-prescriptive procedures.

**Prerequisite:** SPED 320

### **SPED 465 - Meeting the Instructional Needs of Students with Disabilities**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course presents research-validated methods, techniques, and procedures for teaching students with mild to moderate high incidence disabilities in today's inclusive settings, including such methods as use of learning strategies, scaffolded instruction, direct instruction, peer and cooperative learning, and content enhancements.

**Prerequisite:** SPED 320

### **SPED 470 - Clinical Experience in Exceptional Education**

**Credit Hours:** 6

**Lecture Hours:** 0

**Lab Hours:** 6

The clinical experience in a public school classroom pairs candidates with clinical educators in an exceptional children's education setting with one or more types of specialty area students to further develop content knowledge, pedagogical content knowledge, pedagogical skills, and integrate technology in all areas to produce a positive impact on student learning. The goal of the clinical experience is to link theory and practice within the clinical setting to contextualize and cultivate knowledge, skills, and professional dispositions. Course credits are variable (3-6 credits). Most students need six semester hours over a ten week period that requires 300 hours of field experience. Students who are licensed in exceptional children should take a three semester hour non-teaching clinical experience. Students who are licensed in a non-exceptional children's area should take the six semester hour non-teaching clinical experience. Students who are currently lateral entry in special education should take a three semester hour non-teaching clinical experience. (Fall and Spring)

**Prerequisite:** Admission to teacher education and permission of instructor.

### **SPED 480 - Seminar II Exceptional Student Field Experience**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A clinical field experience with an accompanying seminar for teachers of exceptional students, including observations and tutoring as well as discussions of current issues, problems, and questions related to exceptional students.

## **Speech**

### **SPEE 200 - Introduction to Speech**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the development of effective oral communication through instruction in theory and practice of the principles and skills required in common types of speaking situations. Basic skills in audience analysis, research, organization, outlining, utilizing evidence, reasoning, listening, and verbal/nonverbal expression are developed. Various methods of delivery are examined and practiced.

**Prerequisite:** ENGL 120 (may be taken concurrently)

## **Sport Management**

### **SPTM 210 - Ethics and Moral Reasoning in Sport**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course examines ethical theories and how to apply them to solve moral problems and develop an appreciation for philosophic inquiry concerning a pervasive and powerful part of American society.

### **SPTM 211 - Introduction to Sport Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This introductory course emphasizes basic management principles as they relate to the business of sports. Students are introduced to sports marketing, sports law, sports supervision, sports media, sports ethics, recreational sport management, and other related areas. There is an emphasis on developing and improving communication skills. An overview is provided with regard to career opportunities in this field.

### **SPTM 301 - Sport Governance and Policy**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This seminar is designed to provide an in-depth exploration of special topics, current issues, and trends in sport and recreation as they relate to topics such as interpretation of international multiculturalism; concepts of strategic management; the use of information technology and its impact on destinations, competitive strategy, and marketing; environmental trends, planning, and development; policy formulation; and the social and economic impact of sport and recreation. Relevant industry problems and issues facing management and personnel in the related industries will be discussed.

**Prerequisite:** SPTM 210 and SPTM 211

### **SPTM 330 - Sport Facility and Event Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 1

An in-depth look at the practices, procedures, and operations of major event and facility management, including planning, funding, and managing these events. The main focus of these principles will be on sporting events and facilities, but can be applied to many different areas, including corporate and social events. Fifteen hours of field experience are required.

**Prerequisite:** SPTM 210 and SPTM 211

### **SPTM 331 - Economics and Finance of Sport**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Examines the application of financial methodology for sport enterprises. Emphasis is on understanding the important sources of revenue (e.g., ticket sales, sponsorships) and media as well as the principal expenses of managing a professional team (e.g., salaries). The course also provides insight to the financing of stadiums and arenas and the valuation of teams.

**Prerequisite:** SPTM 210 and SPTM 211

### **SPTM 340 - Sport Marketing and Communications**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on marketing and accounting practices regarding sports-related enterprises. A variety of marketing techniques and approaches are analyzed to broaden students' backgrounds in this area and to better allow them to develop effective and comprehensive sports marketing plans.

**Prerequisite:** SPTM 210 and SPTM 211

### **SPTM 421 - Management and Leadership in Sport Organizations**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An in-depth look at management and leadership theories and practices as they related to sport organizations. Provides students with a solid foundation in research and application of human resource management and leadership principles for success in the sport industry.

**Prerequisite:** SPTM 210 and SPTM 211 and permission of instructor

### **SPTM 450 - Legal Aspects of Sport**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on the legal issues unique to the sports world and to sport managers. Numerous case studies and precedents are examined, as well as how they relate to current situations involving professional, intercollegiate, interscholastic, and community sports and athletic activities.

**Prerequisite:** SPTM 210 and SPTM 211 and permission of instructor  
**Corequisite:** SPTM 490

## **SPTM 490 - Sport Management Internship and Seminar**

**Credit Hours:** 9  
**Lecture Hours:** 1  
**Lab Hours:** 9

This course is designed to provide opportunities to experience real-life sport management situations "in the field." Internships are cooperatively sponsored by participating partners. The course will provide hands-on opportunities to participate in the practical application of Sport Management concepts and principles and will serve as a forum for discussion and analysis of the field experience.

**Prerequisite:** SPTM 210 and SPTM 211 and permission of instructor  
**Corequisite:** SPTM 450

## **Statistics**

### **STAT 202 - Basic Probability and Statistics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the study of probability and statistical inference.

**Prerequisite:** MATH 123 or MATH 126 or higher

### **STAT 210 - Basic Data Science with IBM Watson Studio**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is an introduction to data science with IBM Watson Studio. Topics include: Data Science fundamental landscapes, methodology, data preparation, transformation and visualization, modeling and intro to machine learning. This entry level course incorporates two IBM exams and gives students opportunity to obtain IBM Data Science Practitioner badge.

### **STAT 270 - Probability and Statistics in Computer Science**



**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is an introduction to basic probability theory, statistical concepts, data analysis, statistical models, spatial statistical analysis, and data mining. Statistical computing using the statistical package R will be part of the training imparted in this course. The course will focus on the actual use of the material in the real-world settings with concentration on spatial statistical analysis, data mining, and analysis of geospatial big data.

### **STAT 300 - Introduction to Data Science**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces students to the field of data science. It is designed to present the main steps of the data science process, with focus on data manipulation, exploration, visualization, and communication of results of data analysis. The programming language and software environment for statistical computing and graphics R and the integrated development environment R Studio are used throughout the course. Previous programming experience is not required.

**Prerequisite:** STAT 202 (may be taken concurrently)

### **STAT 301 - Introduction to Probability**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the mathematical theory of probability, including such topics as random variables, distributions (normal, binomial, Poisson, and related ones), moment generating functions, and applications of probability theory.

**Prerequisite:** MATH 242 and MATH 260

### **STAT 302 - Mathematical Statistics**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of probability distributions of random samples, the theory of point and interval estimation, hypothesis testing, and decision theory concepts.

**Prerequisite:** STAT 301

### **STAT 310 - Statistical Modeling for Data Science**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours:** 0

This course prepares students to blend statistical and computational skills to analyze data using modeling methods to make decisions and predict trends in application. The course introduces students to concepts and methods for statistical data modeling and their applications to data science. Topics include: statistical foundation, model building, statistical learning and predicative analytics, and data simulation.

**Prerequisite:** STAT 300

## **STAT 315 - Introduction to Regression Analysis**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course including such topics as simple linear regression: the error model, algebraic derivation of least square estimators, estimating confidence intervals, hypothesis testing, the ANOVA approach to testing, assessing model validity, transformations, residual plots; multiple regression: the general linear model, least square estimation, prediction, residuals; and Logistic regression.

**Prerequisite:** STAT 202

## **STAT 380 - Data Products Development**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The course focuses on statistical fundamentals of creating a data product that can be used to tell a story about data to a wide spectrum of audiences. It covers the basics of creating interactive data graphics and data products using Shiny, Leaflet, Plot.ly, and GoogleVis, and R packages.

**Prerequisite:** STAT 300

## **STAT 400 - Applied Statistics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A course incorporating the use of statistical software packages and including discussions of such topics as descriptive statistics, statistical inference, inference from a single sample, samples from two populations, one-way analysis of variance, linear regression and correlation, multiple regression, two-way analysis of variance, fixed effects models, factorial designs, and hierarchical or nested design.

## **STAT 401 - Intermediate Probability**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An intermediate-level study of such topics as conditional probability, basic classical theorems, methods of convergence, central limit theorem, and characteristic functions.

**Prerequisite:** STAT 301

### **STAT 402 - Intermediate Statistics**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

An intermediate-level course including such topics as the axiomatic treatment of the fundamentals of probability and distribution theory, characteristic functions (random variables, convergence, and approximation), and common distributions.

**Prerequisite:** STAT 301

### **STAT 412 - Operations Research**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A review of topics pertaining to deterministic and probabilistic models of operations research, including linear programming, queuing theory, inventory models, and Markov chains.

**Prerequisite:** STAT 301

### **STAT 415 - Applied Time Series Analysis**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of stationary stochastic processes, auto-regressions and ARMA-processes, parameter estimation and model selection for time series, trends and seasonality, forecasting by exponential smoothing and the Box-Jenkins method, linear filters.

**Prerequisite:** STAT 301 and STAT 315

### **STAT 421 - Quality Control**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the construction of control charts for variables, attributes, and tolerances; sampling techniques; and current techniques in quality control methodology.

### **STAT 422 - Statistical Methods for Research**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A course incorporating the use of statistical software packages for the study of probability distributions, measurements of precision and accuracy, control charts, confidence intervals, tests of significance, analyses of variance, multiple correlation and regression, design and analysis of experiments.

**Prerequisite:** STAT 400

## **Social Work**

### **SWRK 220 - Introduction to Human Services**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces the theoretical concepts, policies, programs, roles, goals, and historical development of human services. The course examines issues, causes, and solutions to human service problems within the fields of social work, criminal justice, psychology, and sociology with emphasis on human relationship skills fundamental to social work.

### **SWRK 230 - Introduction to Social Work**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course focuses on the historical development of social welfare, social work and various social services. The course focuses on the nature, causes, and extent of major social problems, and provides examples of how people are affected by such problems. Emphasis is placed on various roles of social workers, the generalist method, cultural competence, ecological and systems theory, the strengths perspective, and responses to the needs of the poor, families, and populations at risk such as the elderly, children, sexual minorities, and people of color. Also addressed are changing trends in society and how they affect social work practice

### **SWRK 310 - Statistics for Social Workers**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course introduces students to descriptive and rudimentary inferential statistics for social workers. Emphasis is on understanding and calculations of central tendency measures, measures of dispersion and measures relating to the standard normal distribution. It exposes students to the methods of data collection, graphing and summarizing. Students will review basic statistical methods (Descriptive and Inferential Statistics; Measures of Association), and become familiar with basic parametric and non- parametric techniques. Basic design

principles will also be introduced.

**Prerequisite:** MATH 121 and MATH 123 and SWRK 230 and SWRK 320

### **SWRK 320 - Social Work Research Methods: Practice Oriented**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is designed to prepare students to be effective consumers and producers of research, and to evaluate their own practice. They learn to read, critically evaluate, and use the research of others to select interventions that are based on evidence. Within this process, the following will be covered: the scientific method for building knowledge for social work practice, ethical standards for scientific inquiry, qualitative and quantitative research methodology, research designs for developing knowledge and systematically evaluating social work practice and human service programs, and the review and utilization of research findings.

**Prerequisite:** Junior standing and SWRK 230 and a declared social work major

### **SWRK 330 - Human Behavior in the Social Work Environment I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Infancy to Adolescence: This course provides an understanding of the developmental stages of the individual from infancy to adolescence, and the relationship between human growth, human development, and the environment. Knowledge and understanding of biological, psychological, and social systems relationships; cultural norms; and the significance of interaction with the family, group, and the community are stressed.

**Prerequisite:** Junior standing and SWRK 230 and a declared social work major

### **SWRK 331 - Alcohol, Tobacco, & Other Drugs**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Biomedical Basis: The course examines the biomedical basis of addictive disorders. Students will develop a broad scientific perspective on different classes of substance abuse and the biological basis of substance-related disorders including genetic factors, neuroanatomical and neurophysiological factors predisposing to substance dependence, medical consequence of alcohol and drug abuse, and pharmacology interventions.

### **SWRK 332 - Alcohol, Tobacco, & Other Drugs (ATOD): Social Work Practice with Culturally Diverse Populations**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course provides an overview of the unique problems and needs of diverse populations who misuse alcohol, tobacco and other drugs (ATOD) and focuses on the application of culturally sensitive intervention strategies.

### **SWRK 335 - Human Behavior in the Social Work Environment II: Young Adulthood to Old Age**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an understanding of the developmental stages of the individual from young adult to old age, and the relationship between human growth, human development, and the environment. Knowledge and understanding of biological, psychological, and social systems relationships; cultural norms; and the significance of interaction with the family, group, and the community are stressed.

**Prerequisite:** Junior standing and SWRK 230 and SWRK 330 and a declared social work major

### **SWRK 340 - Social Welfare Policy I: Social Welfare History**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is the first of a two course policy sequence. This course focuses on social welfare legislation and the policies, programs and services that flow from such legislation. Students analyze social welfare policy within the context of the social and political milieu which spawns social welfare legislation. Policy I identifies how values from social to personal influence the formulation of social welfare policy. Consideration of definitions and theories on poverty is viewed from both the USA and a global perspective. Social and economic justice for people from diverse backgrounds and those who may be oppressed are discussed.

**Prerequisite:** Junior standing and SWRK 230

### **SWRK 350 - Social Welfare Policy II: Policy Analysis and Evaluation**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is the second course of the two-course policy sequence and extends the foundation of Social Welfare Policy I by having students apply knowledge obtained from the first policy course regarding rudimentary analysis and begin to employ critical thinking skills to evaluate how policy impacts outcomes for clients. Students develop strategies to achieve social change, and social economic justice for families, groups, and communities. Emphasis is placed on understanding poverty and the various ways in which our society has responded to it over time.

**Prerequisite:** SWRK 230 and SWRK 340 and a declared social work major

### **SWRK 360 - Generalist Social Work Practice I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is one of six in the social work practice and methods sequence. It provides students with beginning level knowledge, skills, and values for generalist social work practice with individuals. Students are provided knowledge of the ecological perspective and systems theory with special focus on the problem-solving process.  
**Prerequisite:** Junior standing and SWRK 230 and a declared social work major

### **SWRK 365 - Intervention and Communication Skills**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

SWRK 365 introduces students to interviewing, intervention, and communication skills. Students must demonstrate an ability to utilize interviewing and documentation skills in helping relationships with individuals and or families. Students learn by doing through role plays, case scenarios, analysis of taped case presentations, and identifying skills used by master social work interviewers.  
**Prerequisite:** Junior standing and SWRK 230 and a declared social work major

### **SWRK 370 - Generalist Social Work Practice II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This is the second of a three-course sequence on generalist social work practice. The course focuses on theory and practice methods with individuals, families, and small groups.  
**Prerequisite:** SWRK 230 and SWRK 330 and SWRK 340 and SWRK 350 and SWRK 360 and a declared social work major

### **SWRK 375 - Social Work Practice with Military Families**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is designed to develop attention to the military as a central component of the program's mission. The course emphasizes the ecological systems perspective and intervention with military families. Content will focus on the specific needs of military families, the dynamics of the family environment in a transient context, problems encountered, and service needs.  
**Prerequisite:** SWRK 230 and SWRK 330 and SWRK 340 and SWRK 350 and SWRK 360 and a declared social work major

### **SWRK 380 - Health and Social Work**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Study of the characteristics of health and medical services in social work. Patterns of service delivery, rural, urban, gender, race and ethnic differences, roles, interventions, and issues related to helping clients in health settings will be addressed.

**Prerequisite:** Junior standing and SWRK 230

### **SWRK 410 - Generalist Social Work Practice III**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Generalist practice with organizations and communities; this course emphasizes theories and strategies for community organization and community development. Students develop an understanding of the definitions, concepts, and roles of communities and community organizations. Major topics include community based planning, advocacy, governance, and residence participation.

**Prerequisite:** Senior standing and SWRK 230 and SWRK 330 and SWRK 335 and SWRK 340 and SWRK 350 and SWRK 360 and SWRK 370 and SWRK 375 and a declared social work major

### **SWRK 415 - School Social Work**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course provides an overview of school social work as an area of social work practice. Emphasis is placed upon historical development, policies and legislation affecting school social work practice, problems of school age children, and the role of the school social worker in dealing with these problems.

**Prerequisite:** Senior standing and SWRK 230

### **SWRK 420 - Substance Abuse and Social Work Practice**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Social work practice regarding methods for prevention, identification, assessment, treatment, and referral of persons with alcohol and other drug-related problems is discussed.

**Prerequisite:** Senior standing and SWRK 230

### **SWRK 425 - Social Work with Families**

**Credit Hours:** 3  
**Lecture Hours:** 1



**Lab Hours:** 6

This course incorporates the study and analysis of problems and concerns faced by social workers working effectively with families, including the integration of social work policy, human behavior, and social work practice. Issues covered include functions and changes in the family and the theoretical framework of family systems theory and ecological theory.

**Prerequisite:** Senior standing and SWRK 230

### **SWRK 435 - Senior Seminar**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This seminar course is a bridge between classroom and field. It is a professional development course and requires students to complete a senior portfolio. Understanding that field education is the signature pedagogy for social work, it is essential that students are prepared for and understand the importance of a successful field experience. This undergraduate field seminar provides the opportunity for students to reflect on the application of theory and classroom learning while adapting professional attitudes and behaviors. The seminar environment is for students to process expected field experiences and their capacity to pursue beginning generalist practice. Students will be expected to engage in in-depth self-examination, be open to new ideas and input from others, and continually evaluate their own knowledge, values, and skills.

**Prerequisite:** Senior Standing and SWRK 230 and SWRK 330 and SWRK 335 and SWRK 340 and SWRK 350 and SWRK 360 and SWRK 370 and SWRK 375 and a declared social work major

### **SWRK 440 - Social Work with People of Color**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course prepares students for generalist social work practice in a multicultural and global society. Utilizing the strengths and empowerment perspectives, emphasis is placed on defining and developing knowledge and skills for culturally competent social work with people of color.

**Prerequisite:** Senior standing and SWRK 230

### **SWRK 445 - Cultural Diversity**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This practice course exposes students to knowledge of racial/ethnic groups and to provide skills for effective social work intervention with these groups. Theoretical and practice dimensions of social work with oppressed people are addressed in this course. Students are guided in understanding their own cultural and ethnic heritage, increasing their sensitivity to the ethnic reality of culturally diverse groups in this country, as they prepare to work with diverse populations.

**Prerequisite:** Senior Standing and SWRK 230 and SWRK 330 and SWRK 335 and SWRK 340 and SWRK 350 and SWRK 360 and SWRK 370 and SWRK 375 and a declared social work major

### **SWRK 465 - Block Field Practicum**

**Credit Hours:** 10

**Lecture Hours:** 10

**Lab Hours:** 0

This is a supervised field practicum experience in an approved social work agency which focuses on the development of beginning competency in the application of theory and skills acquired in the professional foundation courses to work with individuals, families, groups, and communities as a beginning generalist. Professional behavior, demonstration of social work ethics, use of the problem solving process, practical application of interviewing and recording skills, use of community resources and knowledge of the agency's fit in the human service delivery system are highlights of the course. Students spend four days per week in a block practicum for a total of 480 clock hours for the semester.

**Prerequisite:** Senior standing and approval by the Field Coordinator. Open only to social work majors.

### **SWRK 470 - Aging and Social Work**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Emphasis on the biological, psychological, and sociocultural aspects of aging and service delivery to elders. Examination of the forces and critical issues that impact elders across the life span will be an emphasis.

**Prerequisite:** Junior standing or permission of faculty

### **SWRK 475 - Integrative Seminar**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

The purpose of the integrative field seminar is to provide the student a forum for the integration of academic learning within an agency-based field placement. Focus is on the common experiences and concerns of field students in their evolution from student to social work practitioner. The seminar includes discussions on selected topics (both instructor- and student-initiated) and agency and case presentations by students. Seminar students have an opportunity to discuss issues related to their learning experiences in the agency. Through facilitated discussions, students learn about social work practice in various settings and assist each other in seeing the similarities and differences in applying social work knowledge, values, and skills from one setting to another.

**Prerequisite:** Senior standing and approval by the Field Coordinator. Open only to social work majors.

### **SWRK 480 - Child Welfare Services**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Social work with children and families. Emphasis on child welfare programs, policies and the development of assessment and case planning skills. Methods of protective services, adoption, and foster care are studied.

**Prerequisite:** Junior standing or permission of faculty

### **SWRK 490 - Special Topics in Social Work**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Detailed investigation of a topic in social work. Topic and mode of study determined by faculty member.

**Prerequisite:** Senior standing and SWRK 230

## **Teaching English as a Second Language**

### **TESL 410 - Theories and Principles in Teaching ESL**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

TESL 410 focuses on theoretical and practical approaches to the teaching of English as a second Language. This course demonstrates understanding of teaching ESL methods and skills through reading selections, teaching demonstrations, Computer Assisted Language Learning (CALL) activities, and field experiences. This course will prepare prospective or in-service teachers who will help English Language Learners (ELLs). This course is cross-level listed with TESL 510.

### **TESL 441 - Trends and Issues in Teaching ESL**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course explores trends and legal and cultural issues involved in ESL teaching. Students understand how cultural groups and individual cultural identities affect language learning and school achievement. Additionally, students gain knowledge of history, research, educational public policy and current practice in the field of ESL teaching to apply this knowledge to inform teaching and learning, and to serve as community resources and advocate for ELLs. This course is cross-level listed with TESL 541.

### **TESL 450 - Literacy Development and Assessment in ESL**

**Credit Hours:** 3  
**Lecture Hours:** 3

**Lab Hours: 0**

This course introduces and extends fundamental knowledge of theory and research in literacy development and strategies and techniques for effective literacy instruction for English Language Learners. These include an understanding of the process of reading and writing in a first and second language, literacy strategies as well as various assessments and materials available for facilitating the individualized teaching of literacy to help English Language Learners become independent readers and writers of English. This course is cross-level listed with TESL 530.

## **Theatre**

### **THEA 140 - Theatre Seminar/ Production Practicum for Non-Majors**

**Credit Hours: 0**

**Lecture Hours: 0**

**Lab Hours: 1**

Performance laboratories in practical training through participation in departmental activities. Students may enroll for no more than one section in a single semester.

### **THEA 141 - Production Practicum I**

**Credit Hours: 3**

**Lecture Hours: 1**

**Lab Hours: 2**

This course provides experience in theatrical production and theatre company operations. Emphasis is on portfolio development by way of production work. Work on FSU Theatre Company productions.

### **THEA 142 - Production Practicum II**

**Credit Hours: 3**

**Lecture Hours: 1**

**Lab Hours: 2**

This course provides continuing introductory experience in theatrical production and theatre company operations. Emphasis is on continued initial portfolio development by way of production work. Work on FSU Theatre Company productions.

**Prerequisite:** THEA 141

### **THEA 203 - Introduction to Theatre**

**Credit Hours: 3**

**Lecture Hours: 3**

**Lab Hours: 0**

An introduction to the study of drama and to the art and craft of the theatre, with special attention to the role of the theatre in modern society. Work with FSU Theatre Company productions.

### **THEA 206 - Acting I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

Fundamentals of Acting: A study of the fundamentals and techniques of acting, including creative techniques in scene study from representative plays of the past and present. Work with FSU Theatre Company productions is required.

**Prerequisite:** THEA 203 or permission of instructor

### **THEA 217 - Introduction to Costuming**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the study of costume techniques for the stage with special attention to the role of visual techniques used in modern theatre. Work with FSU Theatre Company productions required.

### **THEA 218 - Introduction to Makeup**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An introduction to the study of makeup for the stage with special attention given to design and application techniques used in modern theatre. Work with FSU Theatre Company productions required.

### **THEA 230 - Script Analysis**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the play, from page to stage, with emphasis on critical analysis of structure, genre, theme, style, character, language, dramatic event, and point of view of the actor, director, critic, and audience; an introduction to theatre research methods.

**Prerequisite:** THEA 203

### **THEA 236 - Stagecraft**

**Credit Hours:** 3  
**Lecture Hours:** 1

**Lab Hours:** 4

A study of the theory and practice of stage production and design, scene construction and painting. Includes lectures, demonstrations, and practical experience by involvement with the FSU Theatre Company.

**Prerequisite:** THEA 203

### **THEA 237 - Scene Technology**

**Credit Hours:** 3

**Lecture Hours:** 1

**Lab Hours:** 4

For stage and studio. Basic theory and practice of scenery and lighting technology for both stage and film/video studio. Lectures and demonstrations are supplemented with practical experience by involvement with the FSU Theatre Company and the Telecommunication Center.

**Prerequisite:** THEA 203

### **THEA 238 - Stage Movement**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Designed to acquaint students with forms of nonverbal communication and specialized physical activity in theatrical periods and styles. The course includes an analysis of personal body use, studies of theories and techniques of movement designed to improve an actor's physical expressiveness, as well as movement skills such as stage combat, tumbling, period physical styles, and techniques including mask and mime work, yoga, and dance, as well as Alexander, Laban and LeCoq approaches to movement.

**Prerequisite:** THEA 206

### **THEA 241 - Production Practicum III**

**Credit Hours:** 3

**Lecture Hours:** 1

**Lab Hours:** 2

This course provides intermediate level experience in theatrical production and theatre company operations. Emphasis is on continued portfolio development by way of production work. Work on FSU Theatre Company productions.

**Prerequisite:** THEA 141 and THEA 142

### **THEA 242 - Contemporary World Drama**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course introduces students to the literary study of world drama, with particular emphasis on gender and culture. Selected plays from various regions of the world are read (in English translation) with an emphasis on understanding diverse theatrical conventions and how drama expresses and challenges values, ideas, and traditions of a given culture.

### **THEA 243 - Production Practicum IV**

**Credit Hours:** 3  
**Lecture Hours:** 1  
**Lab Hours:** 2

This course provides continuing intermediate level experience in theatrical production and theatre company operations. Emphasis is on continued portfolio development by way of production work. Work on FSU Theatre Company productions.

**Prerequisite:** THEA 141 and THEA 142 and THEA 241

### **THEA 260 - Performance Laboratory**

**Credit Hours:** 2  
**Lecture Hours:** 1  
**Lab Hours:** 3

Designed as a practical lab in improvisation and performance, this course may be taken once per semester up to six times. Credit is offered for participation in the FSU Touring Company, whose principal objectives involve refining drama learning processes through performances made available to the county public schools. Offered each fall and spring. Conditions for admittance into the performance company based upon audition and/or instructor approval.

**Prerequisite:** THEA 203

### **THEA 302 - History of Theatre I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

An historical survey of the development of the theatre from its origins to 1650, including studies of representative dramas in their cultural contexts, with analyses of the audiences, actors, and patrons; physical conditions and architecture; and the relationship of the theatre to the other arts.

**Prerequisite:** THEA 203

### **THEA 303 - History of Theatre II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of the history of theatre from 1650 to the present.

**Prerequisite:** THEA 203

### **THEA 305 - Principles of Design**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the history, elements, principles, and functions of design and how they apply to specific design disciplines. Work with the FSU Theatre Company.

**Prerequisite:** THEA 237 or instructor consent.

### **THEA 310 - Acting for the Media**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

Instructions and practice in the basics of acting for TV and film; playing to the camera, shooting out of sequence, blocking, and other production considerations. The business of film/TV acting will be explored to define the necessary adjustments of one's acting styles to be a successful actor on camera.

**Prerequisite:** THEA 203 and THEA 206

### **THEA 311 - Oral Interpretation**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the principles and techniques required to becoming proficient as an interpretative artist, with special emphasis on interpretations of prose, poetry, and drama, and on preparations for interpretative reading contests and other events.

**Prerequisite:** THEA 203

### **THEA 315 - Acting II**

**Credit Hours:** 3

**Lecture Hours:** 1

**Lab Hours:** 4

Intermediate Acting: Training and practice beyond basic skills learned in a fundamental acting course designed to give practice in applying basic techniques to a more advanced level of performance. Participation with FSU Theatre Company productions is required.

**Prerequisite:** THEA 206 or consent of instructor

### **THEA 320 - Playwriting for Stage and Screen**



**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 2

This course explores writing for stage to include plot construction, character development, visualization, and conventions for stage, film, television, and web media; adaptation of playwriting for alternate media.

**Prerequisite:** THEA 203

### **THEA 333 - Play Directing**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 2

A comprehensive study of the fundamentals of play directing, including composition, picturization, movement, rhythm, and pantomimic dramatization, with additional attention to script analysis, casting, rehearsing, and relationships of the director to other theatre practitioners. Work with the FSU Theatre Company.

**Prerequisite:** THEA 203 and THEA 206

### **THEA 341 - Production Practicum V**

**Credit Hours:** 3  
**Lecture Hours:** 1  
**Lab Hours:** 2

This course provides advanced level experience in theatrical production and theatre company operations. Emphasis is on advanced portfolio development by way of production work. Work on FSU Theatre Company productions.

**Prerequisite:** THEA 141 and THEA 142 and THEA 241 and THEA 242

### **THEA 342 - Production Practicum VI**

**Credit Hours:** 3  
**Lecture Hours:** 1  
**Lab Hours:** 2

This course provides continuing advanced level experience in theatrical production and theatre company operations. Emphasis is on continued advanced portfolio development by way of production work. Work on FSU Theatre Company productions.

**Prerequisite:** THEA 141 and THEA 142 and THEA 241 and THEA 242 and THEA 341

### **THEA 347 - Lighting Design and Technology**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 1

This course is an applied study of theatre lighting and is designed to train theatre designers and technicians. Emphasis is placed on design and technology, including the mechanics of lighting and lighting control equipment. Work with FSU Theatre Company.

**Prerequisite:** THEA 237 or instructor consent

### **THEA 349 - Devised Theatre**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is an applied exploration in devised theatre for the stage, culminating in public and/or individual performances. Emphasis on ensemble work.

**Prerequisite:** Instructor approval

### **THEA 350 - Shakespeare Studio**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course is an applied exploration in Shakespeare for the stage, culminating in public Shakespeare performances. Emphasis on verse, text, performance, and staging practice.

**Prerequisite:** Instructor approval

### **THEA 351 - Shakespeare, Hamilton, Hip-Hop, and the Language of Performance**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

In this course we will study a small number of Shakespeare plays, not as self-contained textual artifacts, but as scripts for theatrical (or more recently cinematic) performances. We will watch and analyze scenes as we explore the relationship between text and performance. How is a text's language and imagery interpreted and embodied through voice and performance? We will focus in equal measure on the classic and the contemporary: from Shakespeare's mastery of traditional rhetorical devices to the dexterity of contemporary verse, such as in Lin-Manuel Miranda's *Hamilton* and the performative offerings of hip-hop. We will also discuss the differences between early modern staging practices and modern performance approaches. This Shakespeare and Performance class offers students the opportunity to explore the complex interaction between language and voice as a deep connection is made between ideas and emotions during the performance of a dramatic text.

### **THEA 352 - Shakespeare and Social Justice**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

This course explores the relationship between Shakespeare and social justice. Theater and other types of live performance arise out of and give expression to their surrounding cultures. Shakespeare endures over time both because of how he plumbed the depths of human character and modeled different types of justice in his own time, and because diverse perspectives on Shakespearean text and performance have been re-imagined and re-embodied over time. The class will decolonize Shakespeare by examining some of the hidden institutional and cultural aspects of Shakespeare that reinforced a perspective of colonialist power, and it will explore ways in which Shakespearean performance has also been used as a means of cultivating empathy, justice, and a sense of shared humanity and community through such topics as, for example, the use of Shakespeare in prisons, multi-cultural Shakespeares, and Shakespearean activism.

### **THEA 359 - American Musical Theatre**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

This course is a chronological survey exploring American musical theatre from early beginnings to the present. Designed to teach its origin and development through historical references and cultural analysis with emphasis on minstrels, operetta, revues, revivals, and other types of multicultural traditions to include skills specific to musical theatre such as music, vocals, and movement. In lecture/ discussion format, students examine examples to illustrate elements, techniques, and structural forms of musical theatre.

**Prerequisite:** THEA 203 or permission of instructor

### **THEA 402 - Acting III**

**Credit Hours:** 3  
**Lecture Hours:** 1  
**Lab Hours:** 4

Period and Styles: A study of periods, styles, and techniques in advanced acting, including creative techniques in scene study from representative plays, specific historical periods, and styles of acting. Areas to be explored include physical characterization, tactical interplay, warming up, and relaxation techniques using Linklater, Rolf, and Alexander techniques to promote physical dexterity as well as vocal strength and flexibility. Work with FSU Theatre Company productions is required.

**Prerequisite:** THEA 315 or permission of instructor

### **THEA 403 - Stage Design**

**Credit Hours:** 3  
**Lecture Hours:** 2  
**Lab Hours:** 2

History and principles of designing the environment for stage and studio productions. Work with the FSU Theatre Company and TV studio productions where applicable.

**Prerequisite:** THEA 237 and THEA 305

### **THEA 404 - CAD (Computer Aided Drafting) for the Stage**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the fundamental principles and application of 3-D design utilizing a DOS based drafting and design program. Special attention will be given to the basic concepts and techniques that can be directly applied to theatrical drafting.

**Prerequisite:** THEA 237 or permission of instructor

### **THEA 411 - Children's Theatre for School and Community**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of materials, procedures, and exercises for creative dramatics, choral speaking, puppetry, and formal dramatics. Recommended for prospective and in-service teachers on the elementary level and for community workers with children.

**Prerequisite:** THEA 203

### **THEA 413 - Drama Theory and Criticism I**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A survey of European theories of the drama and the effect of these theories on criticism, dramaturgy, and production from the classical Greek period through the French Academy.

**Prerequisite:** THEA 203

### **THEA 414 - Drama Theory Criticism II**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A continuation of THEA 413, beginning with the eighteenth century. Study of the impact that these theories have on criticism, dramaturgy, production, and acting.

**Prerequisite:** Prerequisite: THEA 203

### **THEA 415 - Theatre Management**

**Credit Hours:** 3  
**Lecture Hours:** 3  
**Lab Hours:** 0

A study of the tools of theatre management, with emphasis on box office management, promotion costs, and the

responsibilities of production staff. Promotion work with the FSU Theatre Company productions.

**Prerequisite:** THEA 203

### **THEA 420 - African American Theatre**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of the theory and practice of African American Theatre, focusing on its evolution as well as the contemporary African American Theatre.

**Prerequisite:** THEA 203

### **THEA 421 - Play Production**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

A seminar and laboratory in directing plays, with special emphasis on each student's directing a one-act play for public presentation.

**Prerequisite:** THEA 333 and permission of instructor

### **THEA 430 - Theatre Internship**

**Credit Hours:** 3

**Lecture Hours:** 0

**Lab Hours:** 6

Practical work experience in selected area in conjunction with professional theatre companies. Available to advanced theatre majors or students in special programs as juniors or seniors who have strongly demonstrated the ability to work independently.

**Prerequisite:** THEA 203 and THEA 206 and THEA 237 and permission of instructor

### **THEA 450 - Senior Seminar**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A study of selected topics in speech and theatre, with completion of a major research and/or production project required.

**Prerequisite:** Senior standing

### **THEA 495 - Special Topics in Theatre**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 0

A seminar to demonstrate student proficiency in an area of theatre research agreed upon by the student and the instructor. Topics may come from any area of theatre studies or be combined with production work, but the project must result in a 10-15 page research paper with supporting bibliography. Offered for variable credits (1-6).

**Prerequisite:** Prerequisite(s) vary depending on the seminar and instructor.

## **University Studies**

### **UNIV 101 - Freshman Seminar I**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 1

The first half of a year-long, interdisciplinary introduction to the university experience, including university history, policies, and resources; reading and study skills; use of electronic mail and the Internet; academic and career planning; money management; and discussions of selected topics in literature, science, business, education, politics, economics, and philosophy. Based on profile examination scores, students may be required to complete additional work in the Reading Laboratory.

### **UNIV 102 - Freshman Seminar II**

**Credit Hours:** 1  
**Lecture Hours:** 0  
**Lab Hours:** 3

The second half of a year-long, interdisciplinary introduction to the university experience, including university history, policies, and resources; reading and study skills; use of electronic mail and the Internet, academic and career planning; money management; and discussions of selected topics in literature, science, business, education, politics, economics, philosophy, and other topics. Based on profile examination scores, students may be required to complete additional work in the Reading Laboratory.

### **UNIV 110 - University Studies**

**Credit Hours:** 2  
**Lecture Hours:** 0  
**Lab Hours:** 2

An interdisciplinary introduction to the university experience, with emphasis on reading, discussions, and critical assessments of selected topics in literature, science, business, education, politics, economics, and philosophy. Students are introduced to FSU history, policies, procedures, resources, and support services. This course is required of transfer students who enter the university with fewer than 30 transfer credits.

## **UNIV 111 - University Studies for Student Success**

**Credit Hours:** 2

**Lecture Hours:** 2

**Lab Hours:** 0

An interdisciplinary introduction to the university experience, with emphasis on essential skills such as reading, discussions, note taking, test taking, studying, writing, and researching. Through self-assessment, articles, guided journals, and critical thinking of selected topics in literature, science, business, education, politics, economics, and philosophy, this course will help students make the transition into a university culture, become active learners, and make intelligent choices-academically, personally, and professionally. Students are introduced to FSU policies, procedures, resources, and support services. This course is required for students in academic difficulty.

## **UNIV 112 - University Studies for Early College Students**

**Credit Hours:** 3

**Lecture Hours:** 2

**Lab Hours:** 0

An interdisciplinary introduction to the university experience, with emphasis on reading, discussions, debate, and critical assessments of selected topics in literature, science, business, education, politics, economics, philosophy, and college choice. Students are introduced to FSU history, policies, procedures, resources, and support services. UNIV 112 is a university studies course that is intended for early college students.

## **Yoruba**

### **YORU 110 - Elementary Yoruba I**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

The course is an introduction to Yoruba, and is intended for students with no prior knowledge of the language and culture of Yorubaland. It is designed to introduce the learner to the fundamentals of Yoruba ṛ the language, the culture, and the people. The course emphasizes spoken and written Yoruba, as used in present day West Africa.

### **YORU 120 - Elementary Yoruba II**

**Credit Hours:** 3

**Lecture Hours:** 3

**Lab Hours:** 0

A continuation of YORU 110. The course covers materials beyond the elementary ones included in YORU 110. The course emphasizes contemporary spoken and written Yoruba, as used in present day West Africa.

**Prerequisite:** YORU 110

